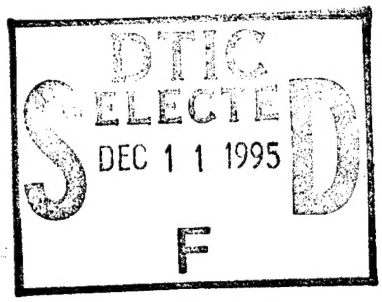
WL-TR-94-3096



UNSTEADY TRANSONIC WIND TUNNEL TEST ON A SEMISPAN STRAKED DELTA WING MODEL OSCILLATING IN PITCH

Part 3: Selected Data Points for Simulated Maneuvers

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November 1995

Final Report for Period March 1989 - December 1993.

Flight Dynamics Directorate
Wright Laboratory
Air Force Materiel Command
Wright-Patterson Air Force Base, Ohio 45433-7542

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This technical report has been reviewed and is approved for publication.

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13. ABSTRACT *(Maximum 200 words)*

A wind tunnel investigation was conducted in 1992 to investigate the unsteady aerodynamic aspects of transonic high incidence flows over a simple straked wing model. This test was designed to show how low speed vortex type flows evolve into complicated shock vortex interacting flows at transonic speeds. Requirements for this test were based on a low speed test conducted in 1986 on a full span model in the NLR Low Speed Tunnel. The transonic model was a semispan version of the low speed model with some modifications. It was equipped with a three-component semispan balance to measure total wing loads, seven rows of high response pressure transducers to measure unsteady pressures and 15 vertical accelerometers to measure model motion and vibrations. The model was oscillated sinusoidally in pitch at various amplitudes and frequencies for mean model incidences varying from 4° to 48°. In addition, maneuver type transient motions of the model were tested with amplitudes of 16° and 30° total rotation at various starting angles. The test was conducted in the NLR HST in the Mach range of 0.225 to 0.90 with some preliminary vapor screen flow visualization data taken at M=0.6 and 0.9. This part of the report presents selected data points for simulated maneuvers.

14. SUBJECT TERMS
unsteady aerodynamics, aeroelasticity, pressure data, transonic, high incidence flow, shock vortex interaction

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FOREWORD

This report summarizes the results of an investigation into transonic high incidence unsteady aerodynamics. Transonic wind tunnel tests were conducted for a semispan straked delta wing model oscillating in pitch at high incidences.

This test was conducted under a cooperative program of research between the Lockheed Fort Worth Company (LFWC), Fort Worth, Texas, USA (Formerly the Fort Worth Division of General Dynamics until 28 February 1993) and the National Aerospace Laboratory (NLR), Amsterdam, The Netherlands. The test was conducted in April/May 1992. The models and corresponding support system were designed at NLR under an earlier separate program with funding from the Fort Worth Division of General Dynamics (now LFWC) and NLR. The fabrication of models, test preparation, wind tunnel test and reporting were performed at NLR under a subcontract from LFWC. This work was funded under Air Force contract F33657-84-C-0247 (CCP 4551) for the Aeronautical Systems Center, Wright-Patterson Air Force Base, Ohio. The work was administered by Mr. F. Zapata of the F-16 SPO (ASC/YPEF) and Mr. L. J. Huttsell of the Flight Dynamics Directorate of Wright Laboratory (WL/FIBG) Wright-Patterson Air Force Base, Ohio under work unit 24010292.

The program manager was Dr. A. M. Cunningham, Jr. at LFWC. The principal investigators were Dr. Cunningham at LFWC, Mr. R. G. den Boer for the wind tunnel test programs at NLR. Mr. den Boer was assisted by the following NLR specialists: C. D. G. Dogger, E. G. M. Geurts, A. P. Retel and R. J. Zwaan. The authors would like to acknowledge the following person who contributed substantially in the project:

Mr. E. W. M. Slijkerman for the design of the wind tunnel model and support; Messrs. T. Horsman and F. Hofman for the fabrication and instrumentaion of the model; and Messrs. O. van Teunenbroek and A. van der Kamp for their contribution in the software development.

The test program for the straked delta wing is documented in three separate reports. This report (Part 3) contains selected data for simulated maneuvers. Part 1 contains a description of the model, test setup, data acquisition, and data processing. Part 2 contains selected test points for harmonic oscillation. Parts 1 and 2 are published as WL-TR-94-3094 and WL-TR-94-3095, respectively. An overview of this test program is also published as WL-TR-94-3017.

TABLE OF CONTENTS

SUMMARY

An unsteady transonic wind tunnel test is reported for a highly instrumented semispan simple straked delta wing model. Harmonic pitch oscillation as well as maneuver simulation were performed.

Appendix A of this part presents the aerodynamic responses on the maneuver sequence performed with the semispan straked delta wing model for data points 306, 480 and 656. All the quantities as presented for the data points with hamronically oscillating model (see Part 2), extended by inertia loads as separate quantities, are presented both as a time trace and as a cross-plot with the incidence signal. Due to the different ranges of Cp's in the three data points, three different scales are used for these plots. The plots of all the other quantities have the same scale for the three data points, except for CN_u_6 (dpn 306 and 480) and CN_t_1, Cl_u_6 (dpn 306). The time traces are also made available on floppy disks.

The rationale for selected these data points is discussed in Section 7 of Part 1. Table 5 in Part 1 provides a convenient cross-reference of conditions and data point numbers.

For nondimensionalization, symbols and definitions the reader is referred to Part 1 (see page ix-xiv of Part 1).

APPENDIX A Plots of the Responses on Maneuver Sequences for Data Points 306, 480, 656

DPN : 306

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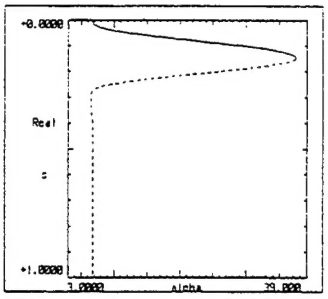
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



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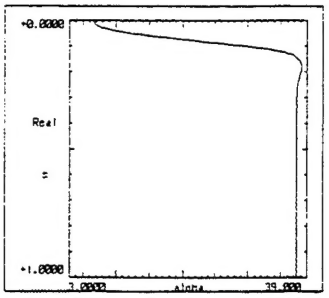

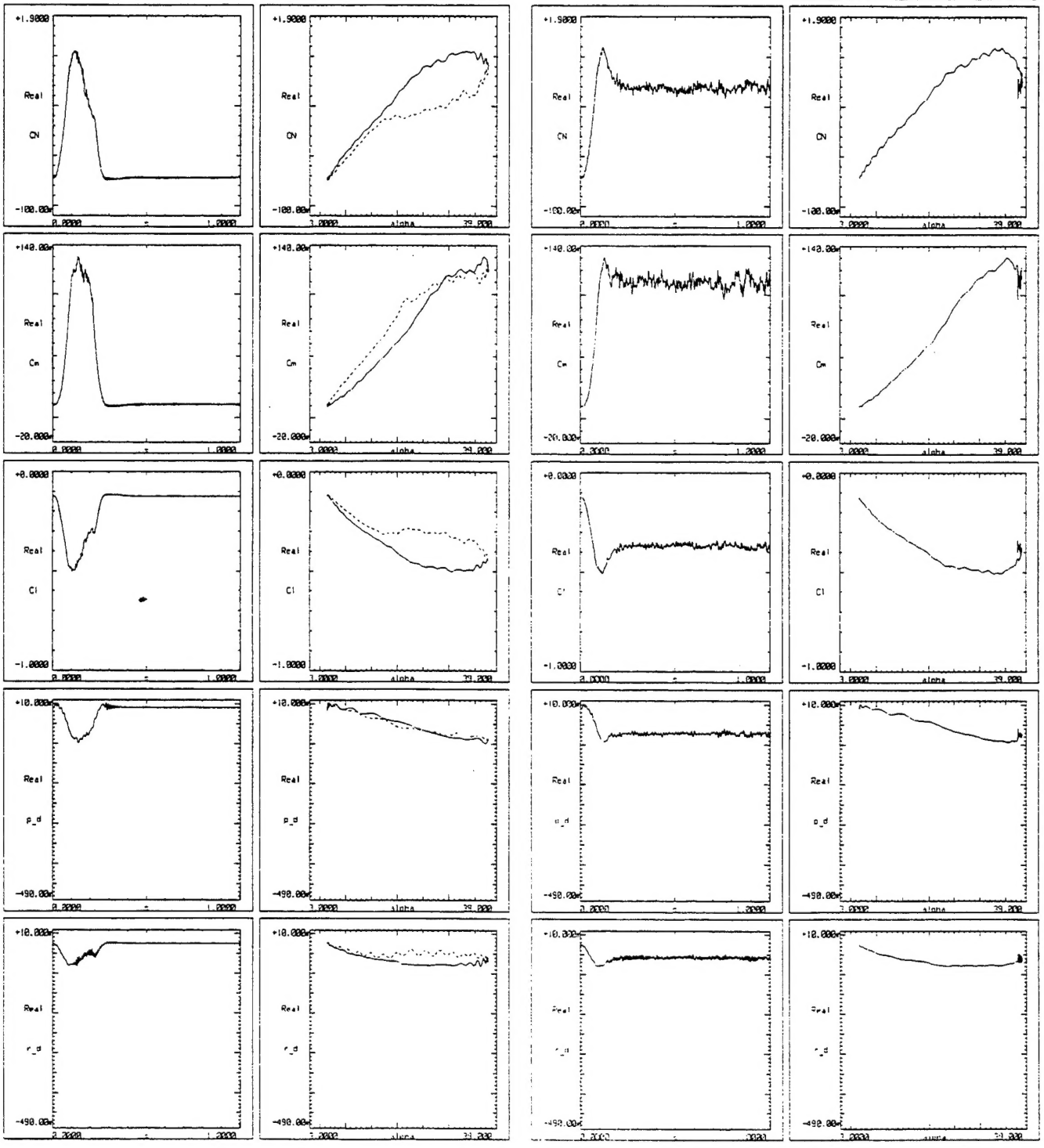

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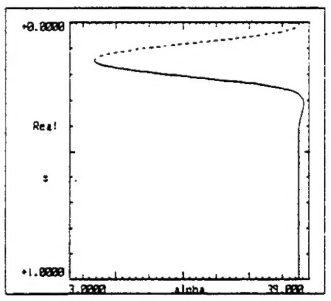

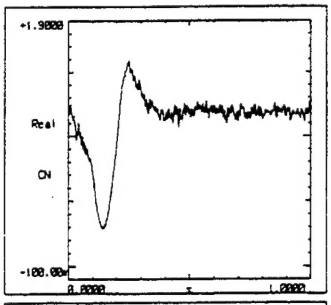

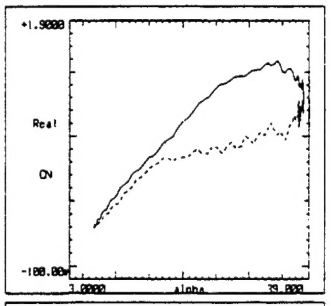

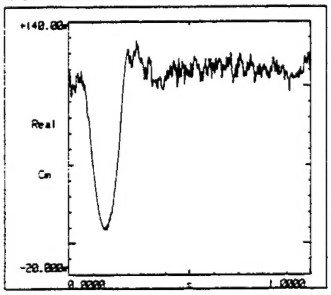

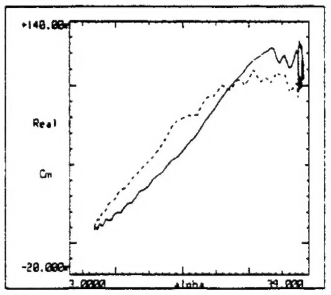

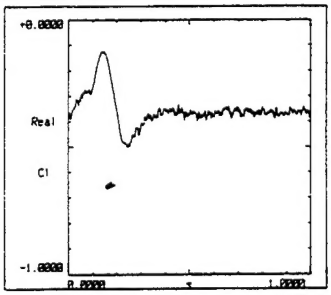

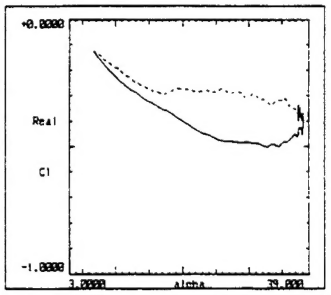

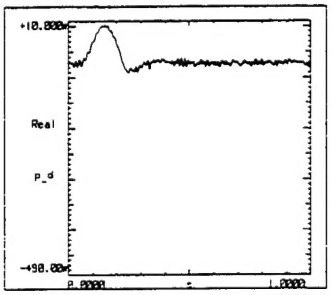

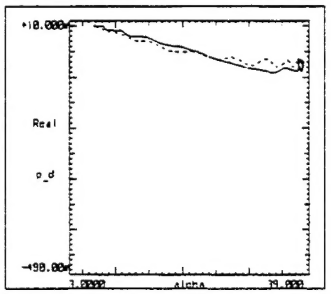

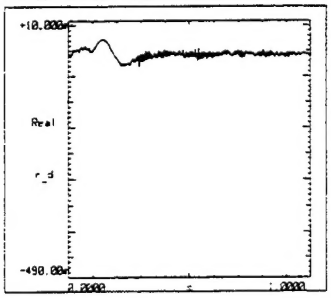

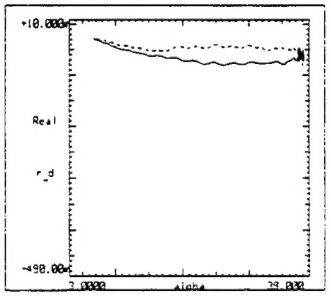

DPN : 306

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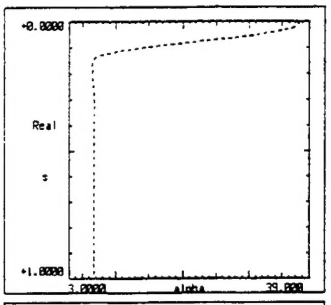
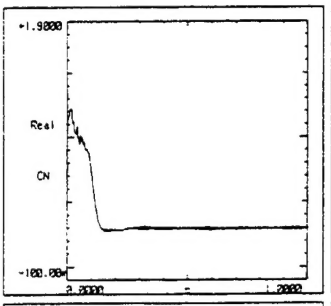
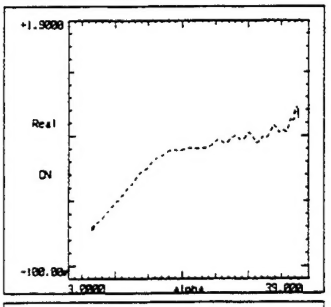
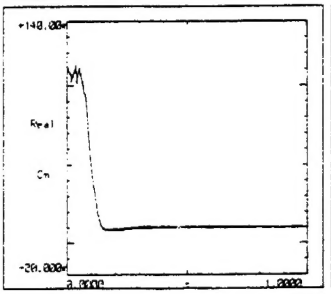
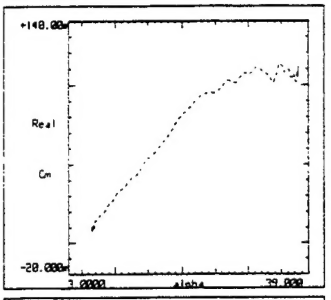
Q = 6.752 kPa

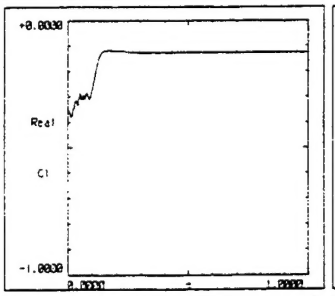


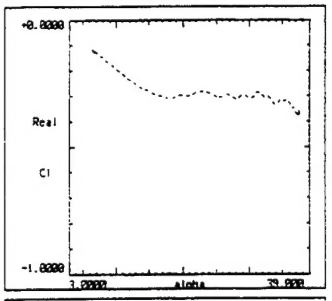


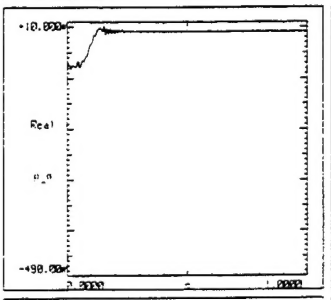


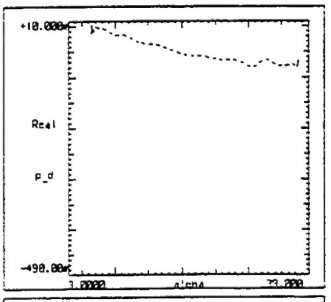


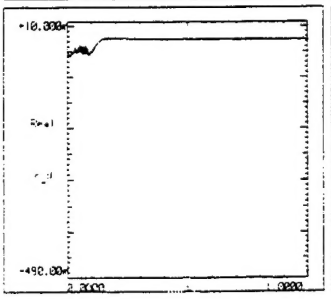


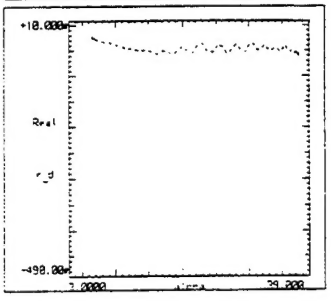












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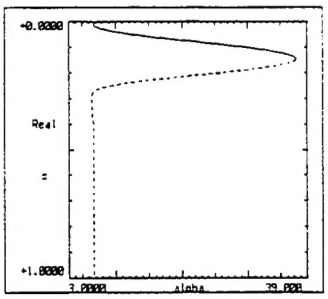

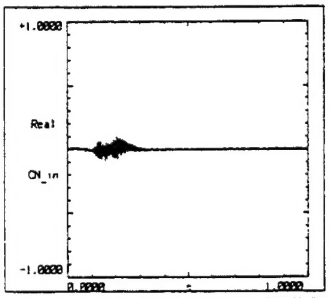

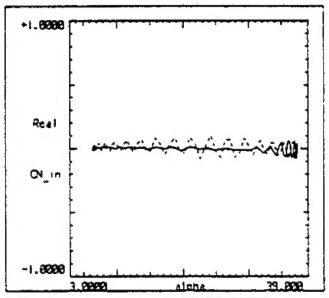

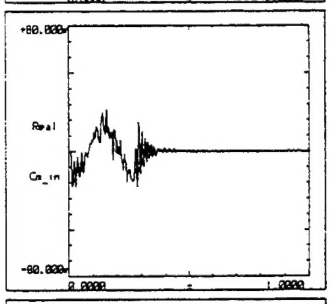

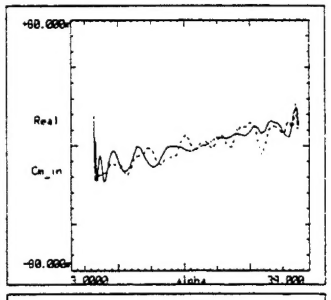

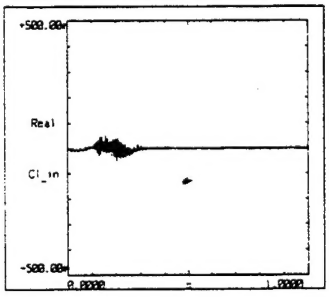

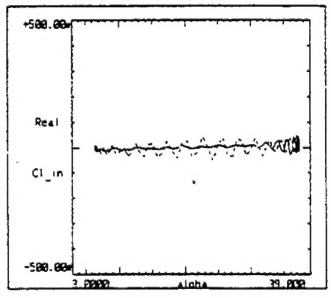

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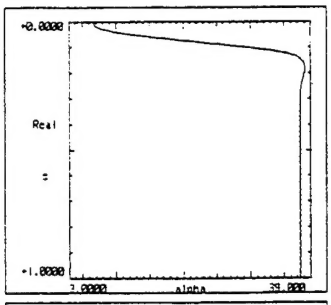

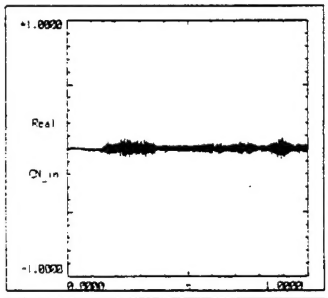

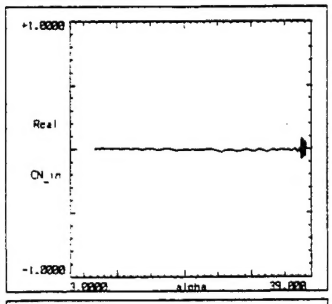

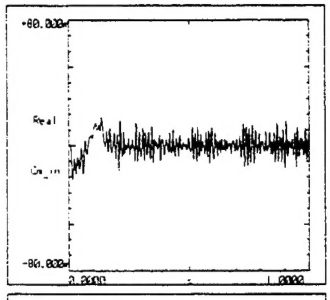

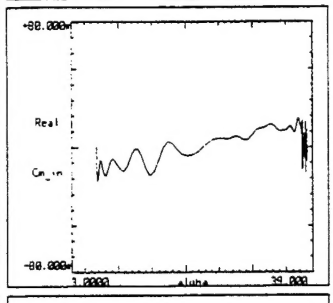

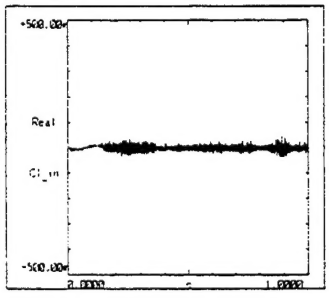

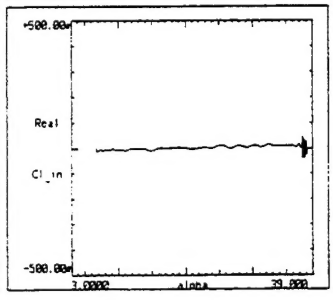

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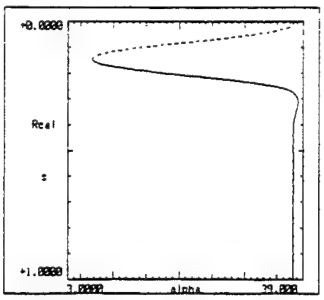
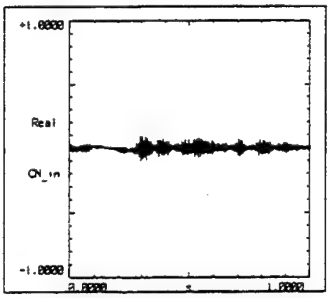
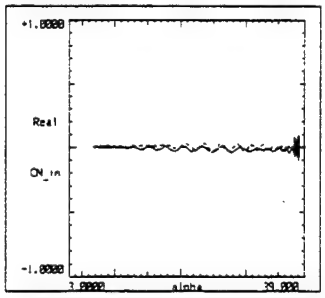
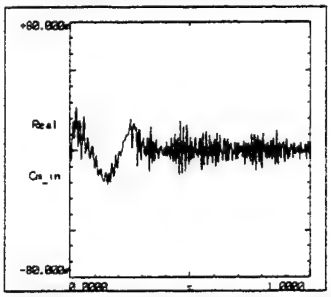
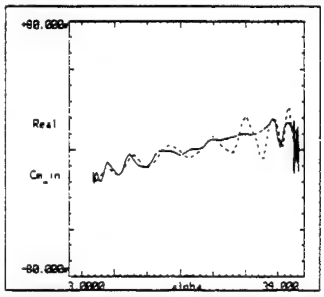
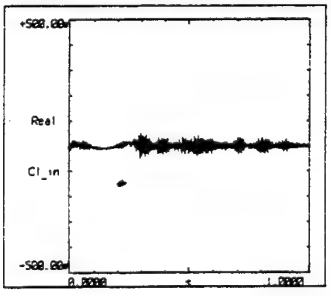


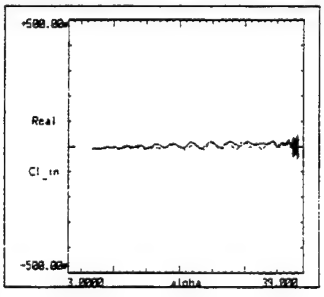










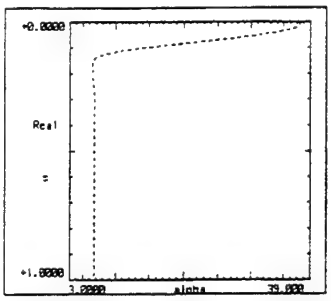


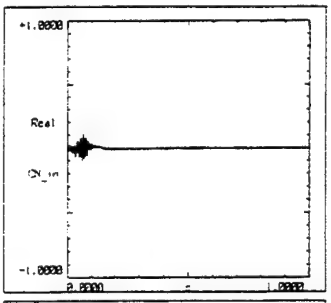
DPN : 306

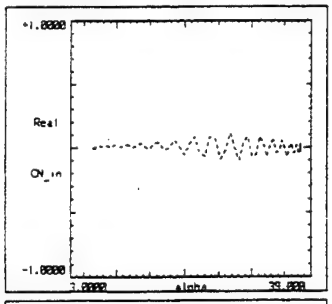
half cos input

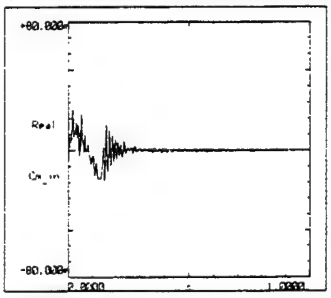
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

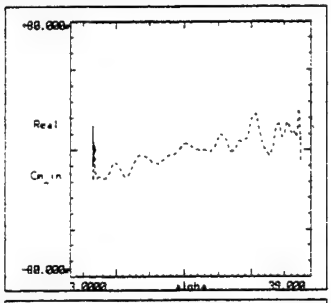
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

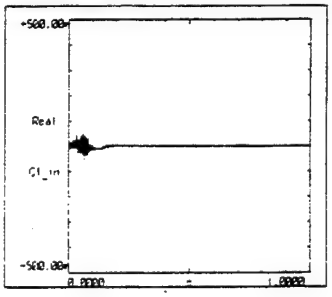


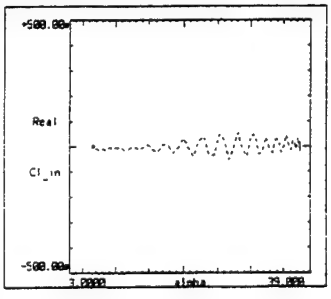










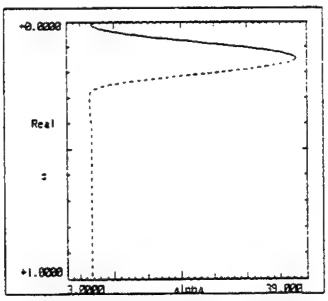


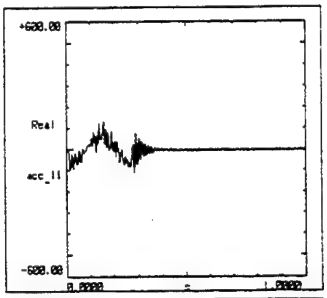
DPN : 306

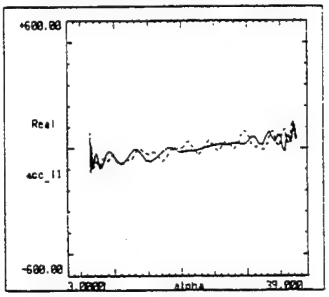
full (1-cos) input

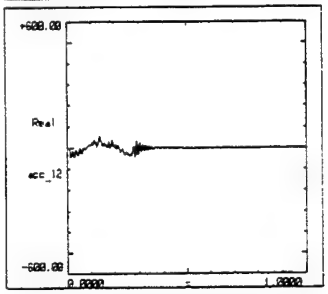
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

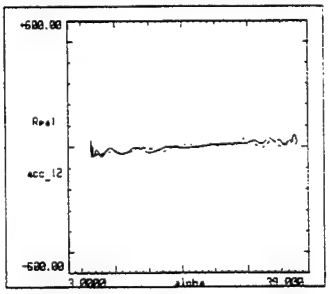
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

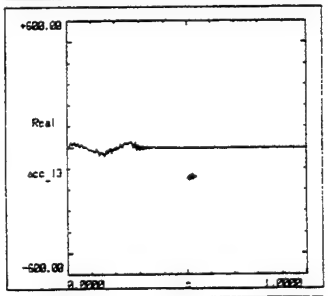


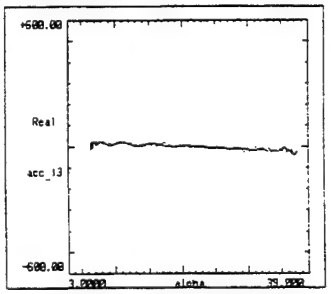


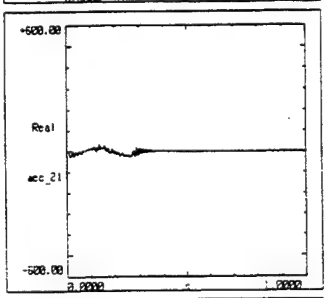


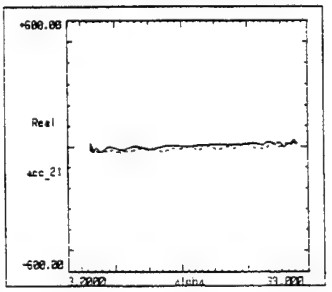










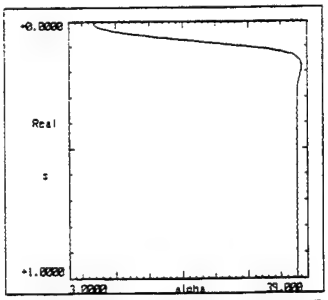


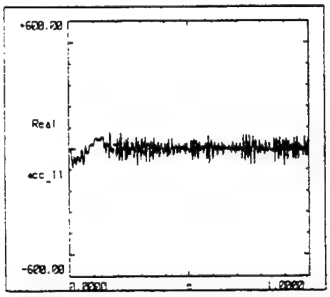
DPN : 306

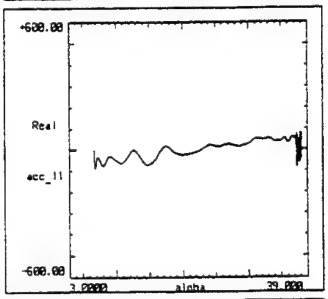
half (1-cos) input

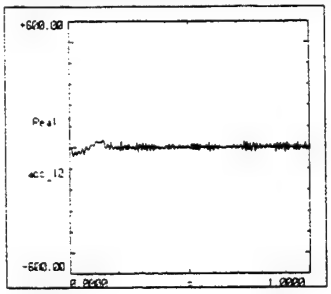
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

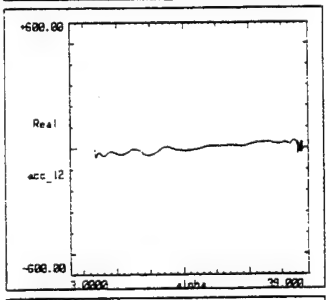
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

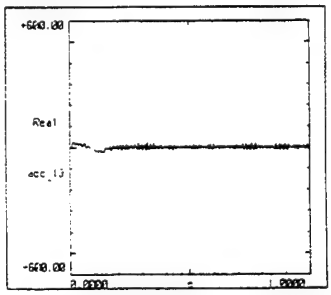


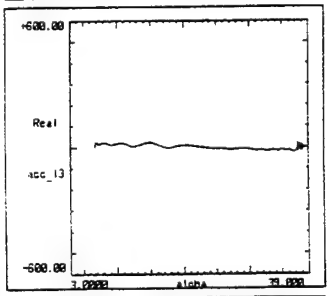


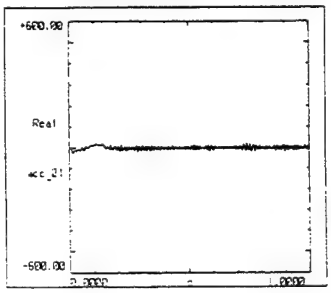


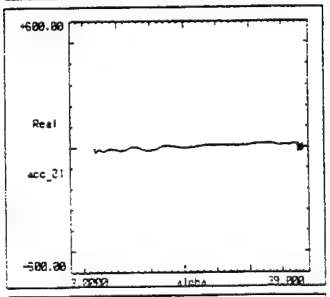








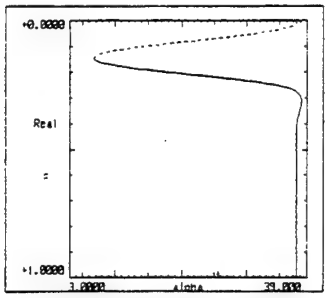


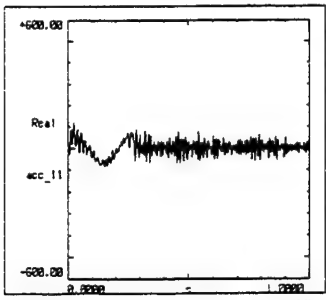


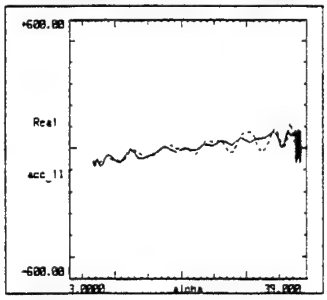
DPN : 306

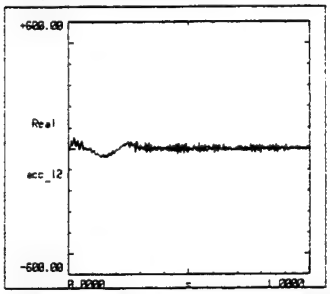
full cos input

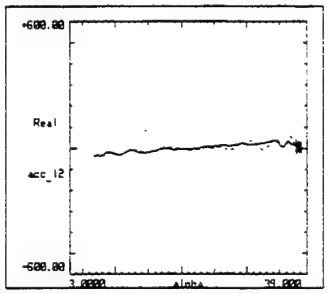
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

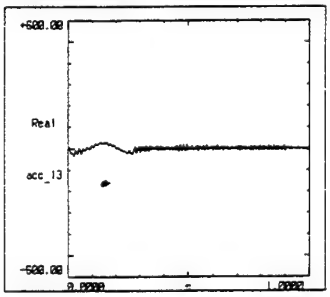


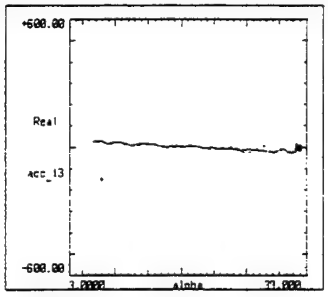


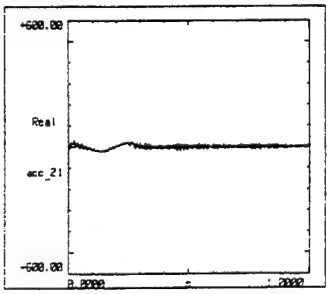


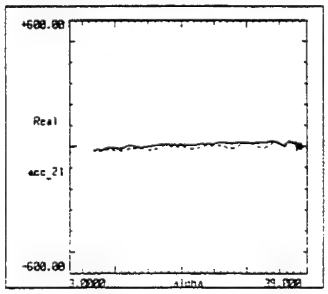








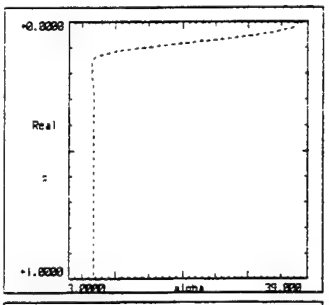


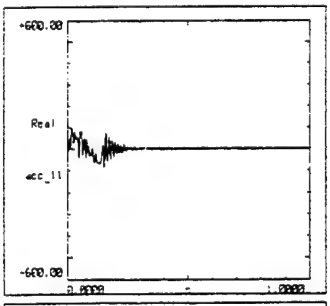


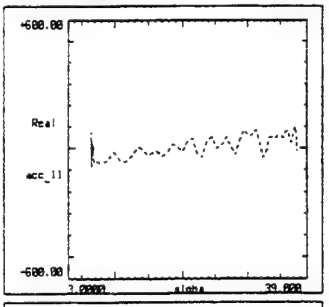
DPN : 306

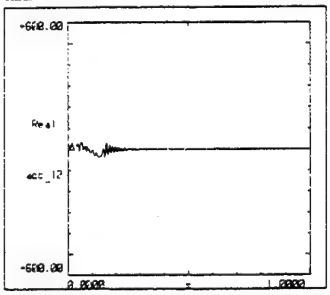
half cos input

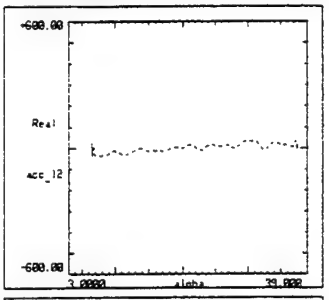
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

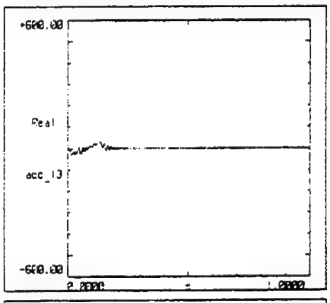


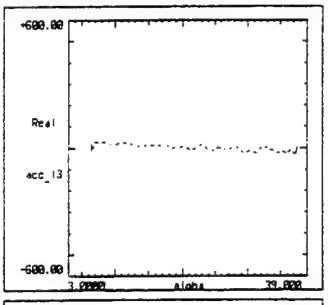


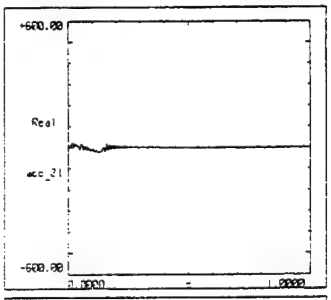


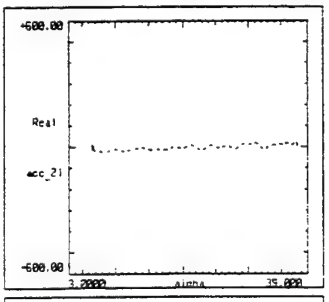












DPN : 306

full (1-cos) input

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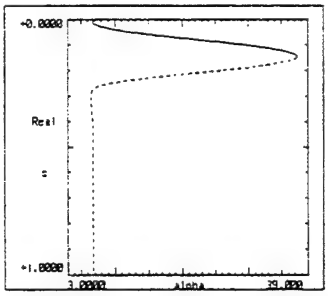
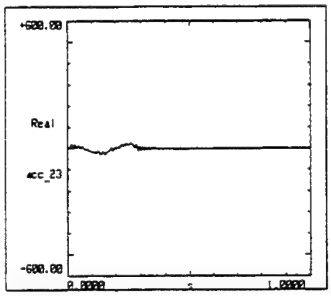
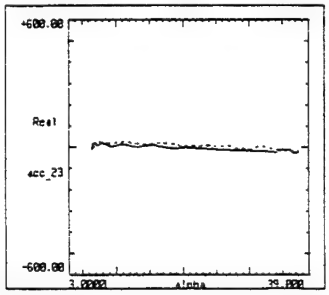
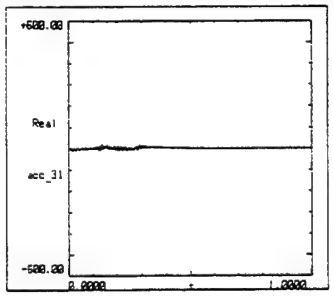
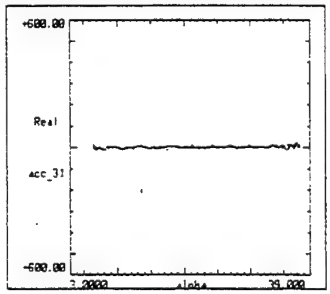
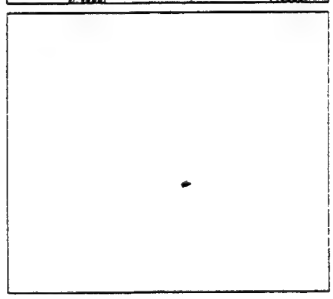


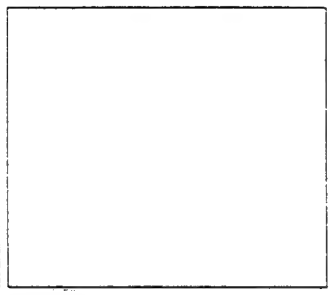


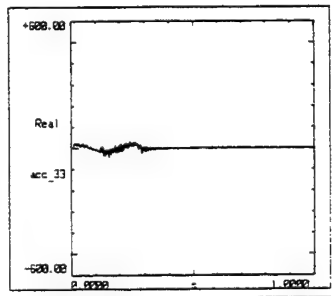


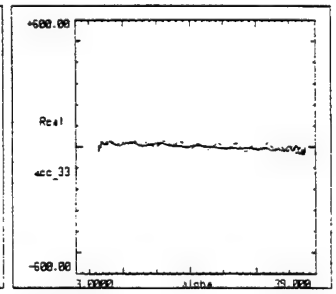


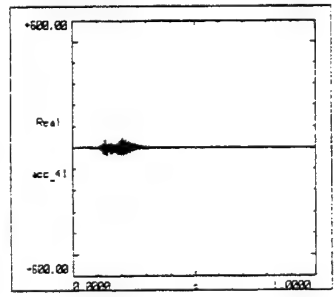


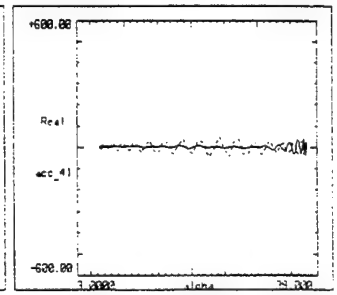










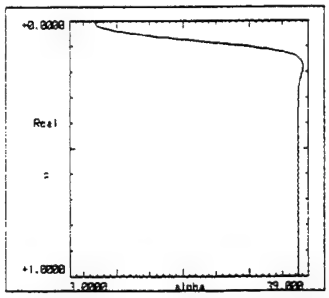


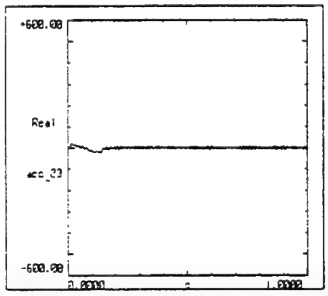
DPN : 306

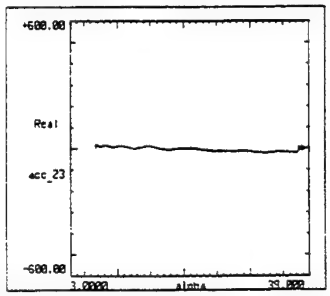
half (1-cos) input

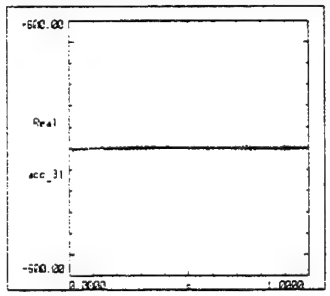
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

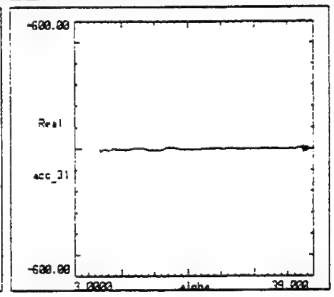
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

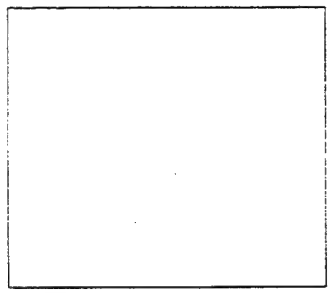


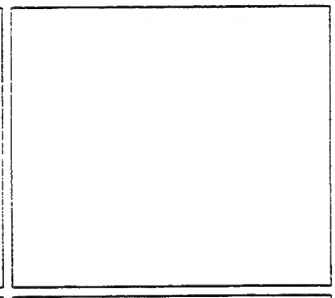


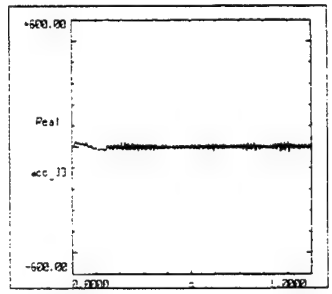


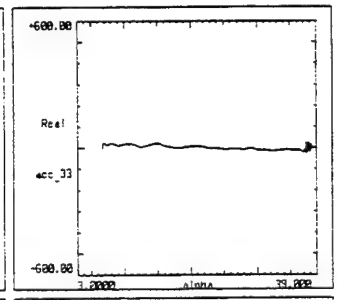


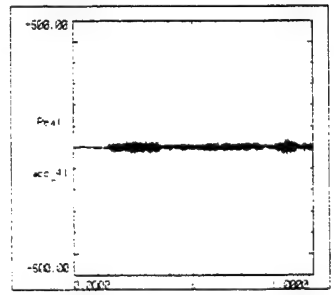


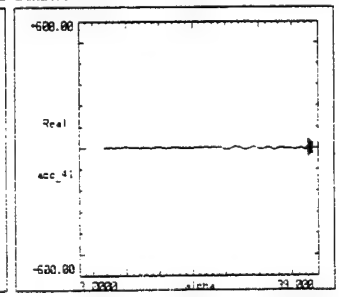










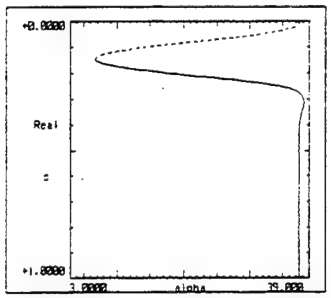


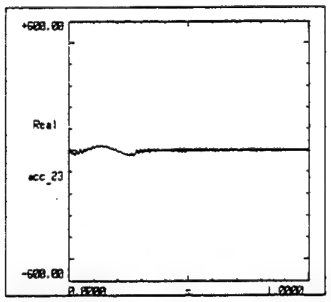
DPN : 306

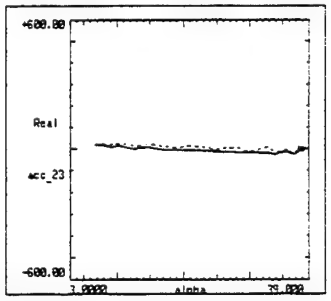
full cos input

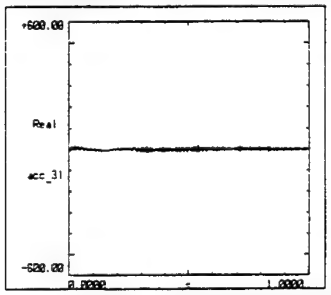
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

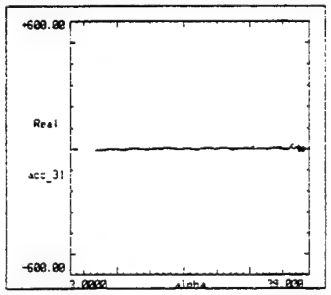
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

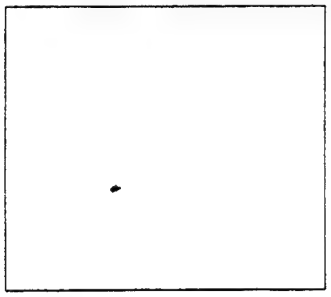


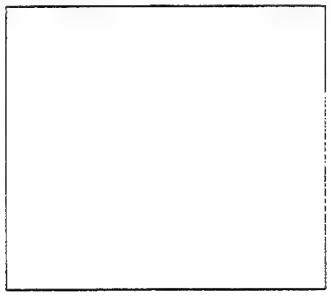


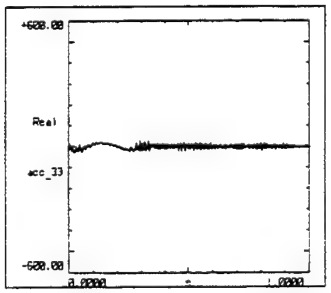


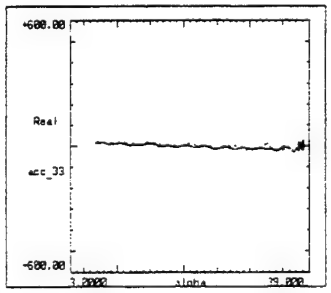


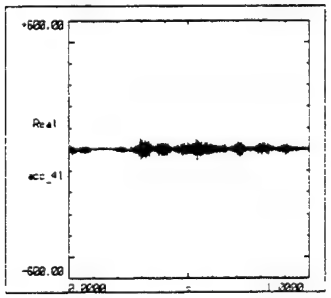


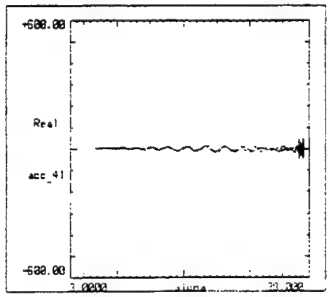










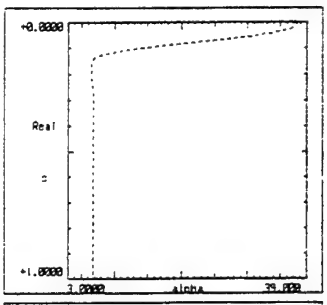


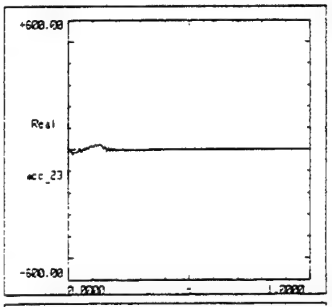
DPN : 306

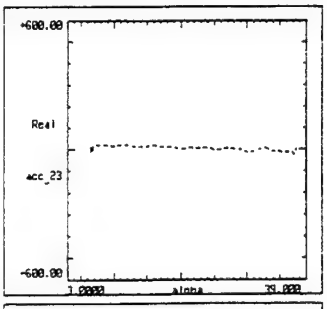
half cos input

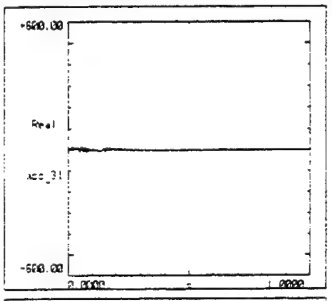
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

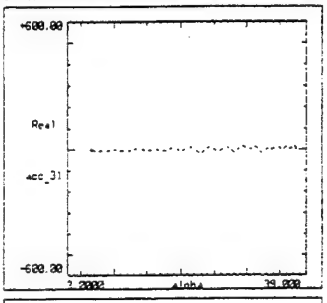
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

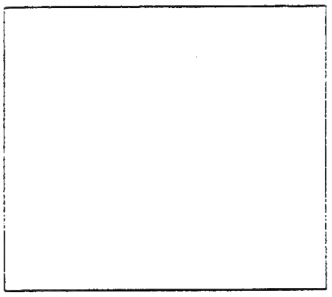


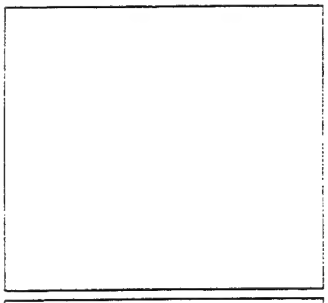


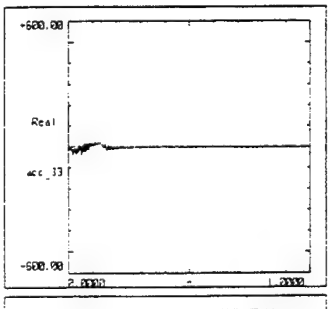


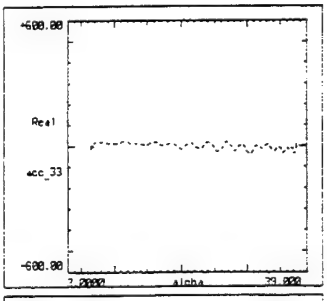


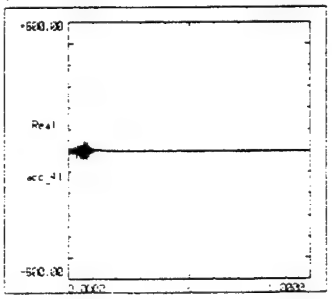


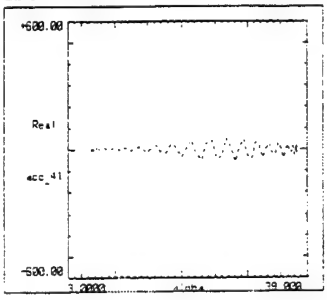










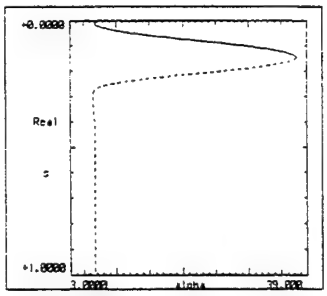


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



DPN : 306

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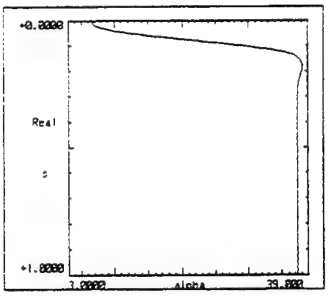

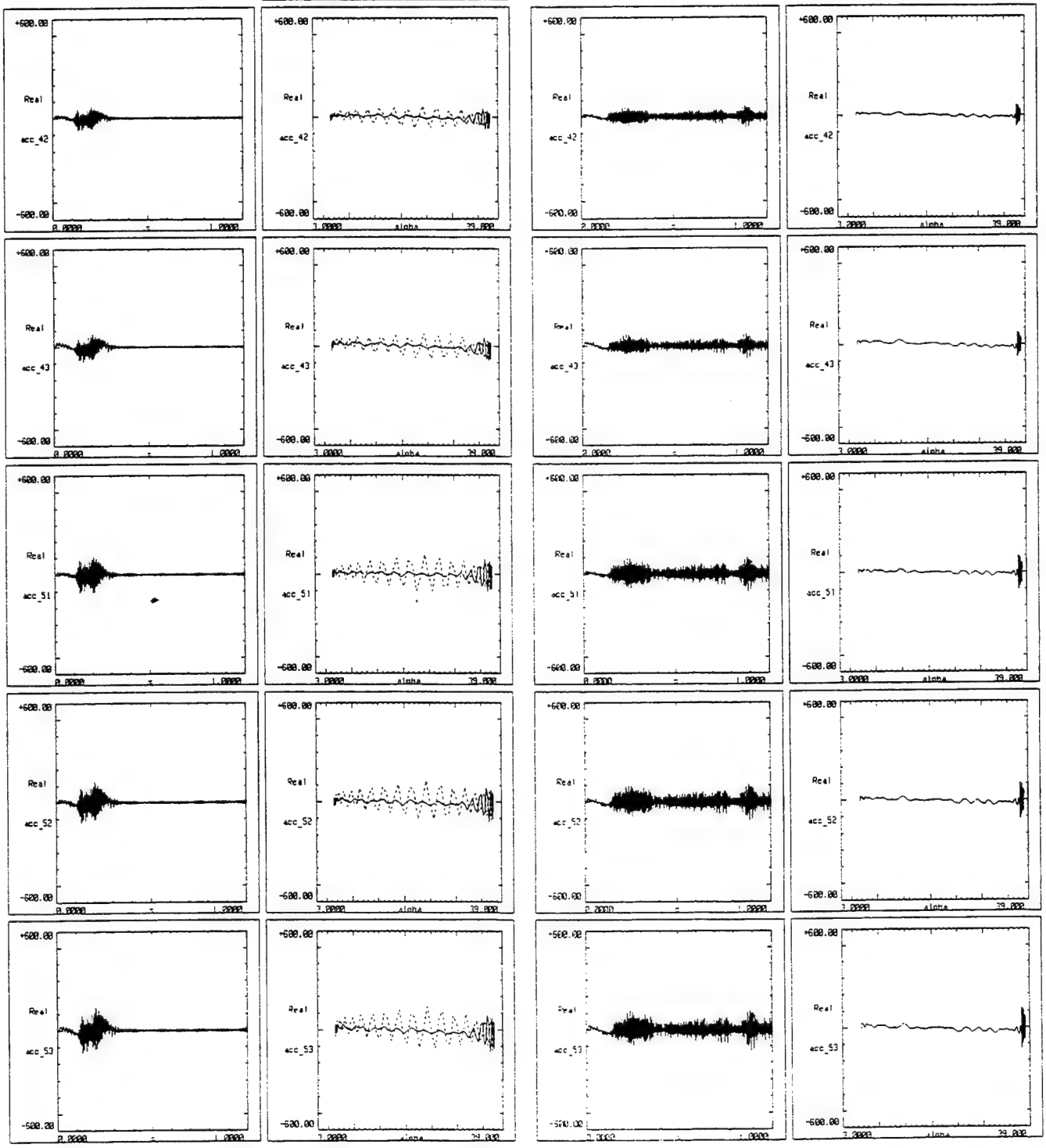

DPN : 306

full cos input

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Mach = 0.225
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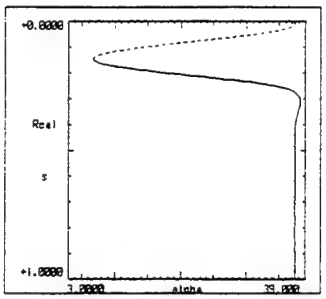

DPN : 306

half cos input

alpha = 22.063 deg
dalpha = 15.322 deg
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Mach = 0.225
Re^-6 = 8.046
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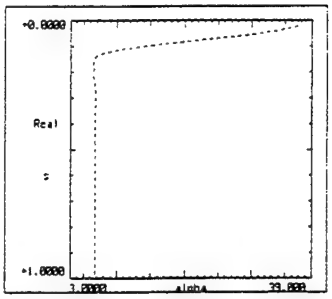

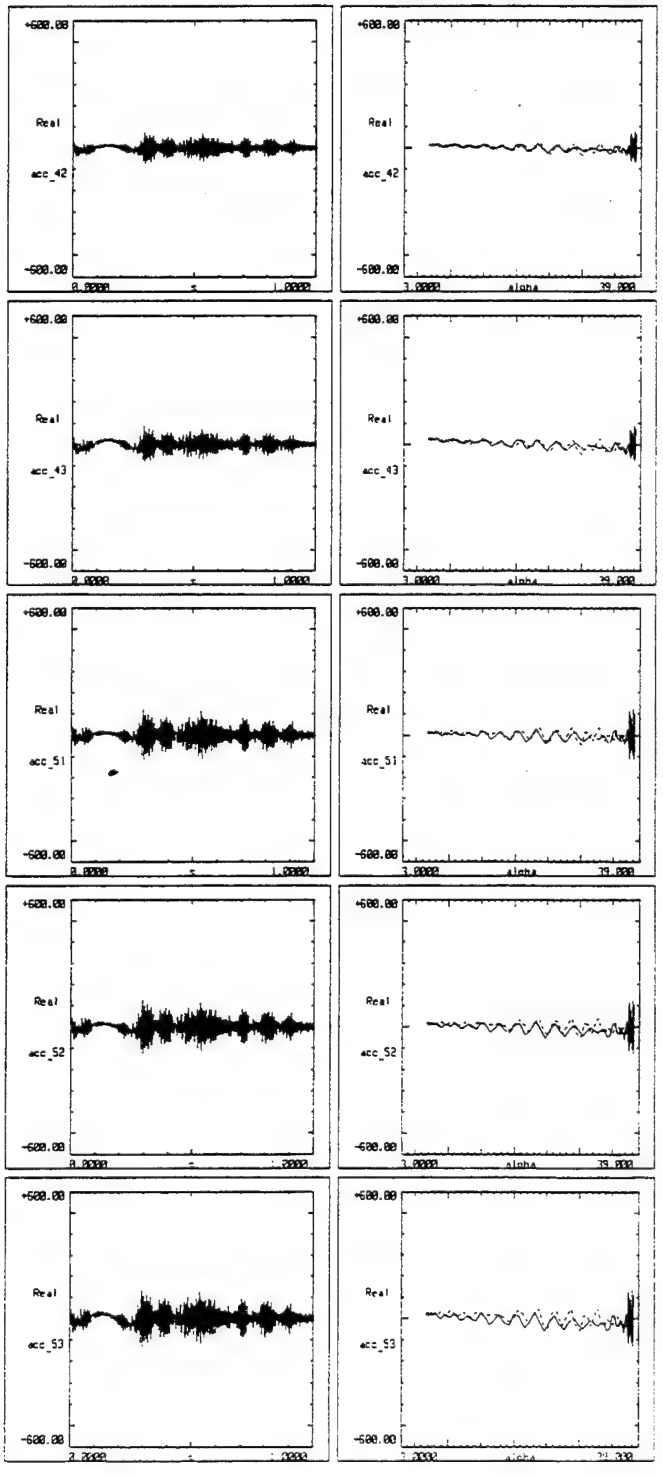

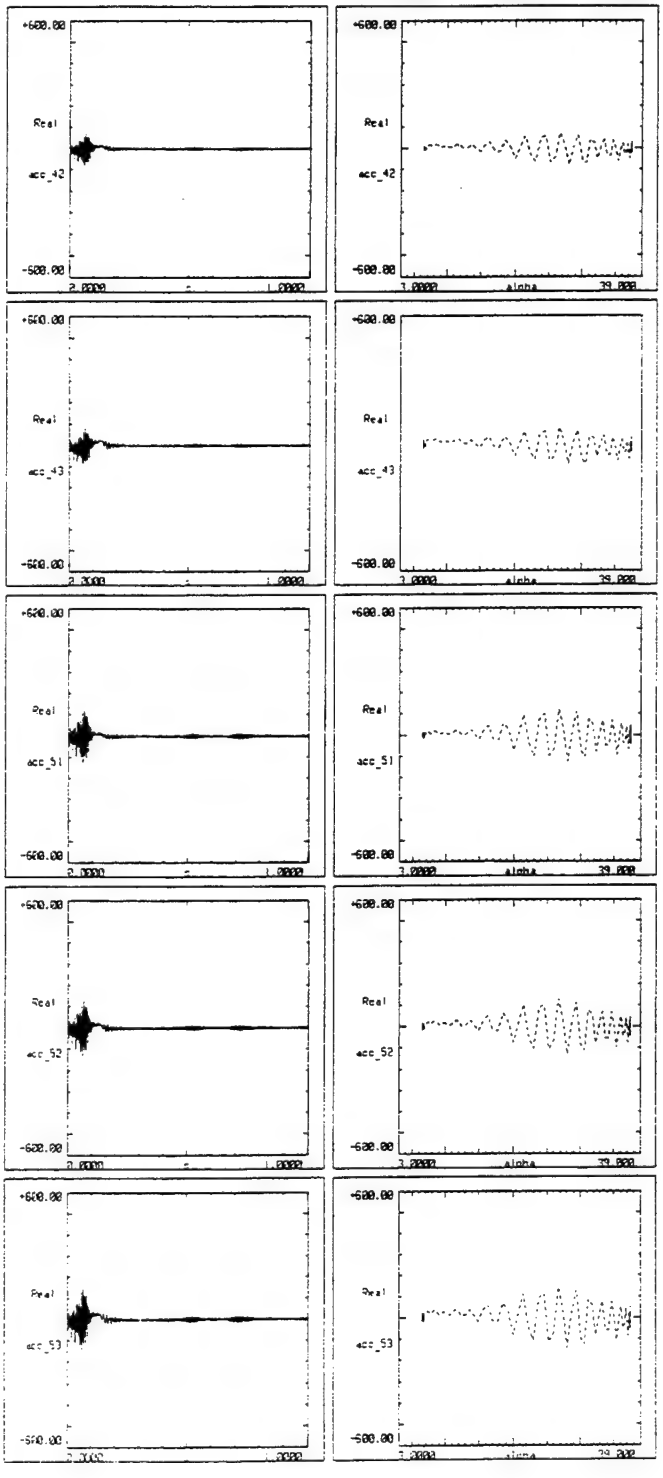

DPN : 306

full (1-cos) input

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freq = 3.800 Hz

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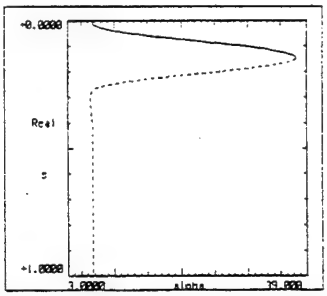

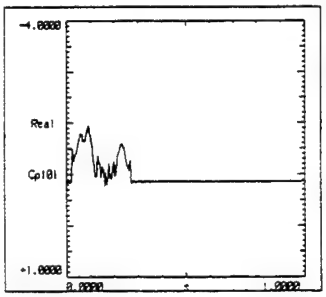

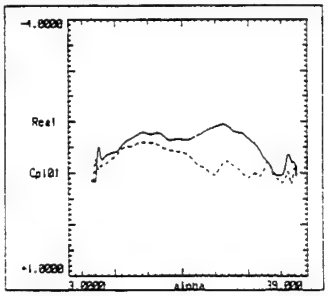

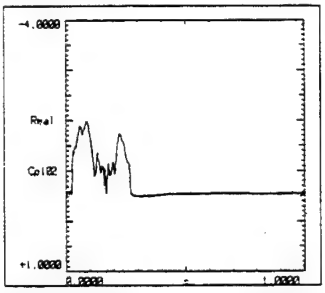

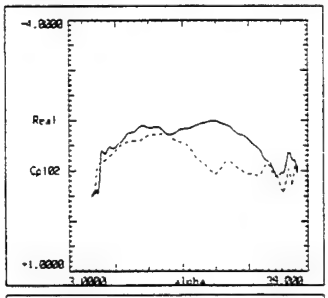

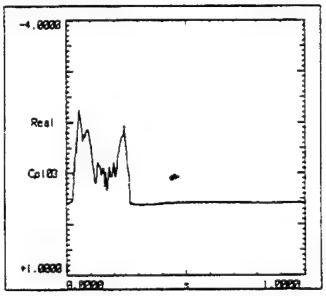

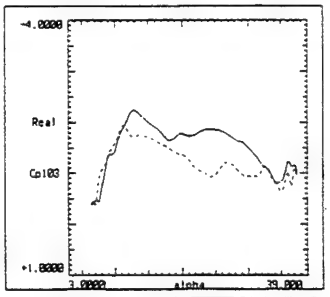

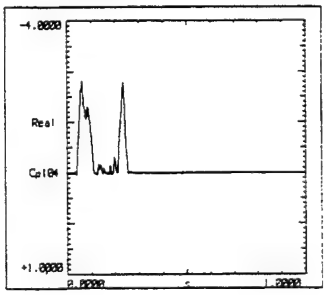

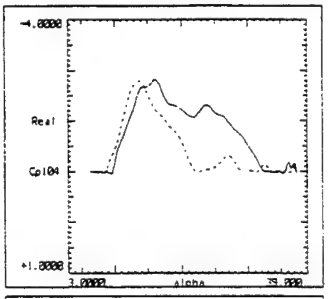

DPN : 306

half (1-cos) input

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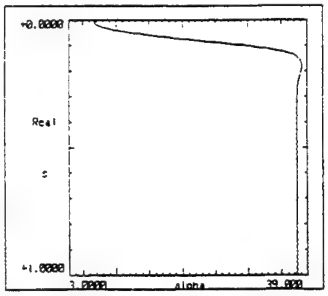
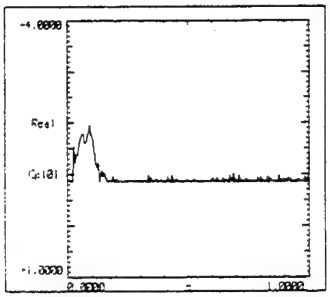
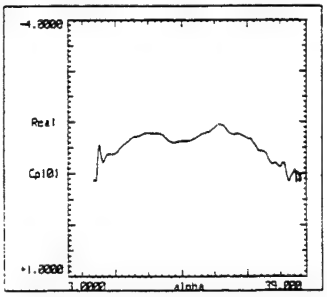
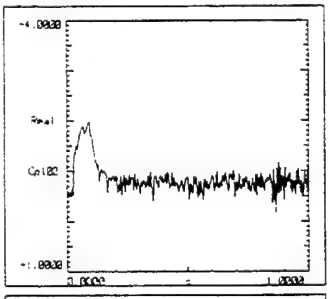
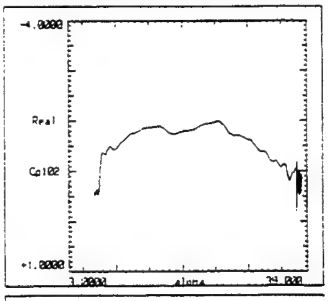
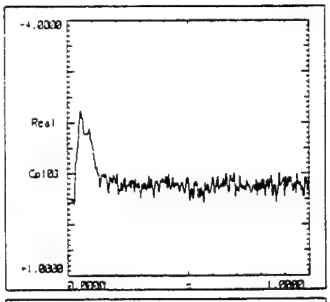


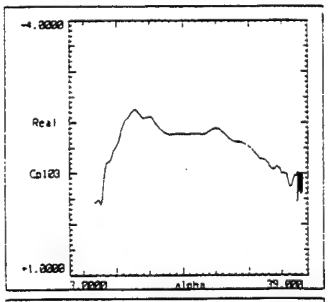


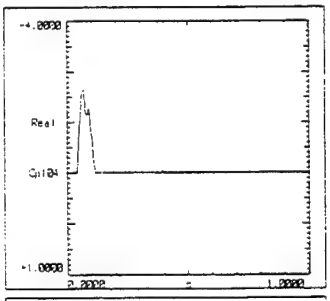


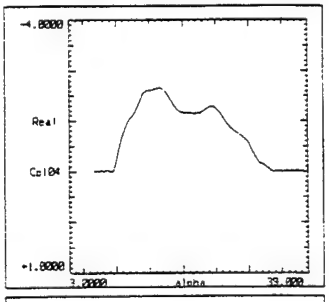










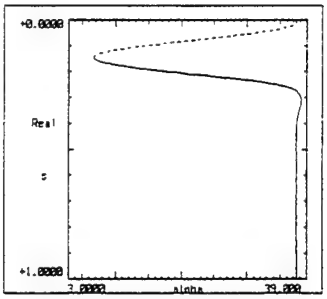


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half cos input

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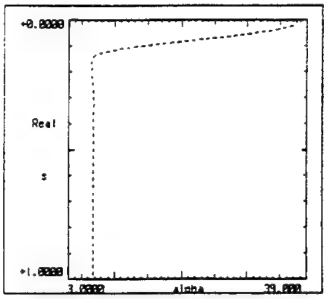
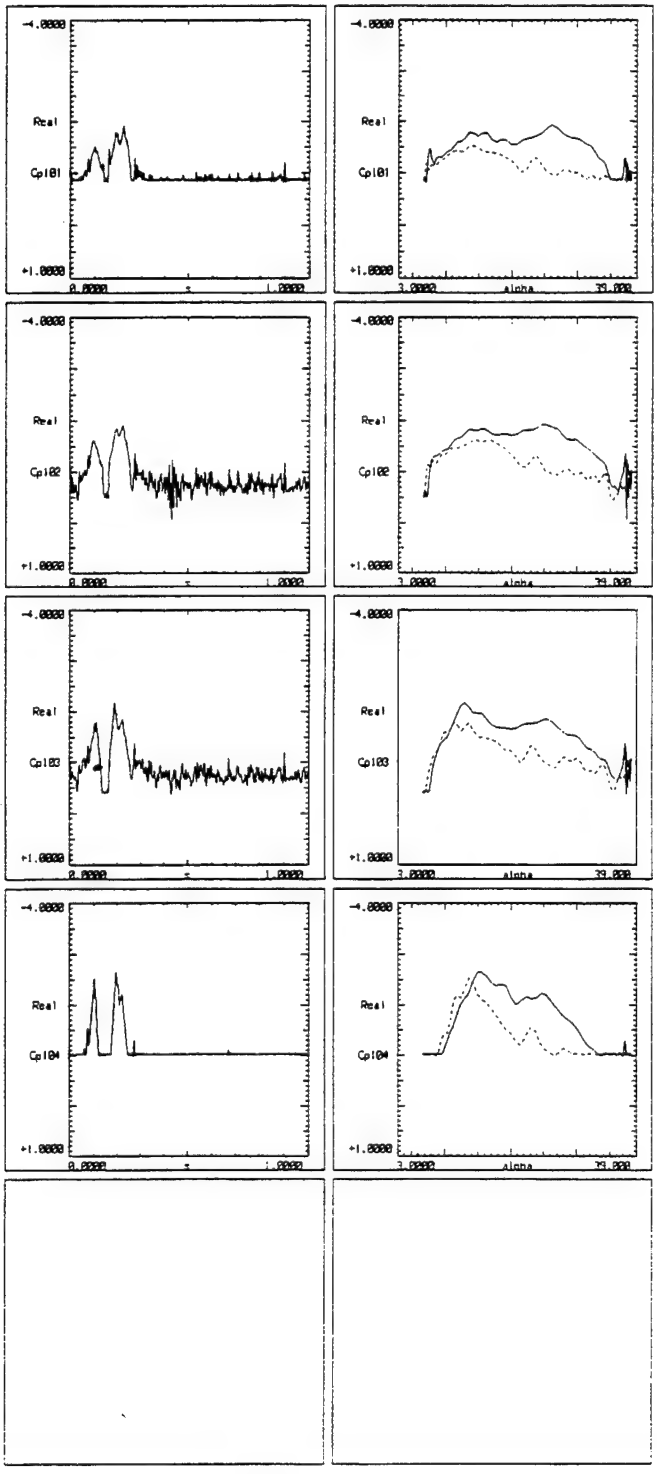


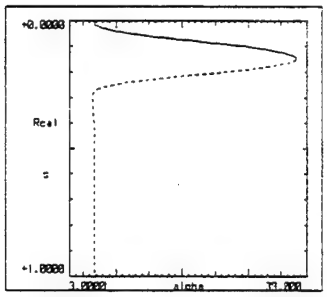


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



DPN : 306

half (1-cos) input

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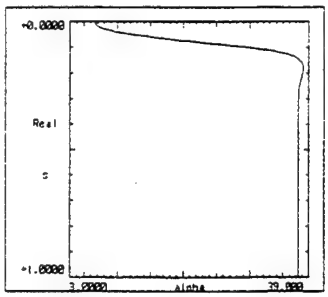
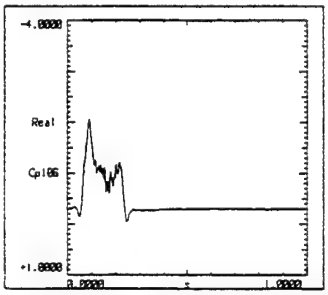
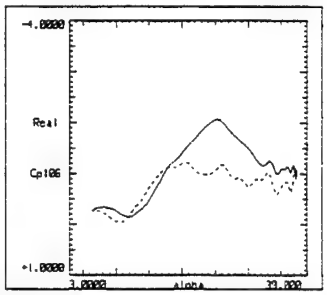
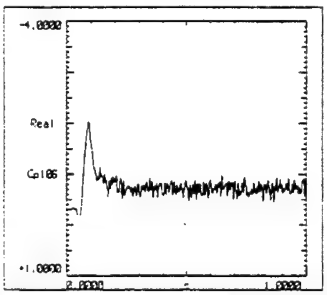
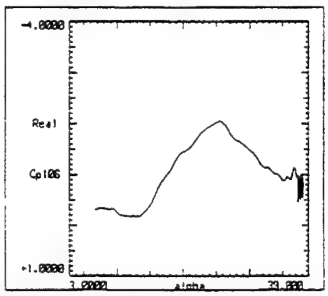
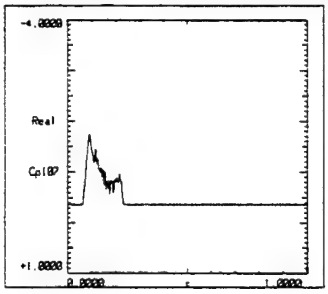


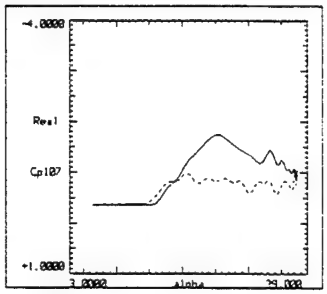


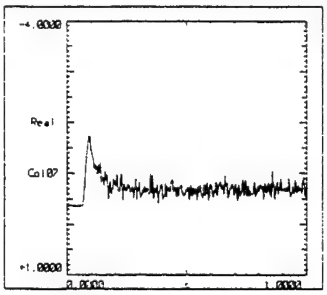


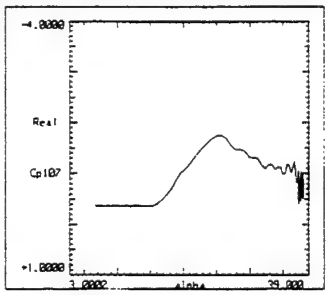


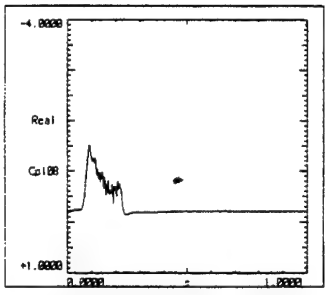


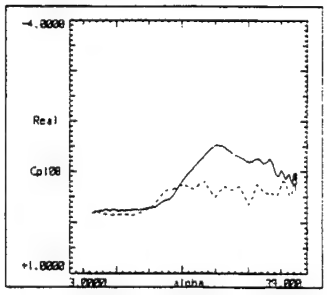


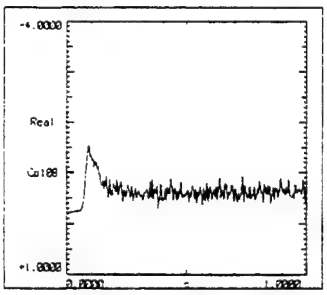


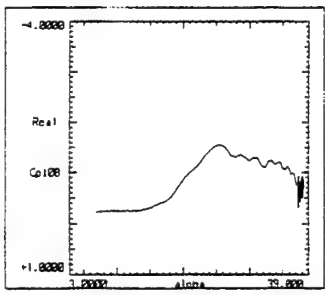


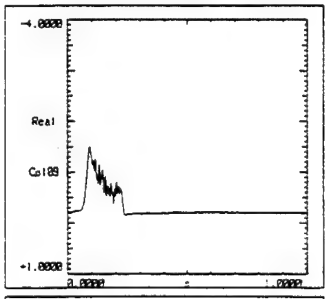


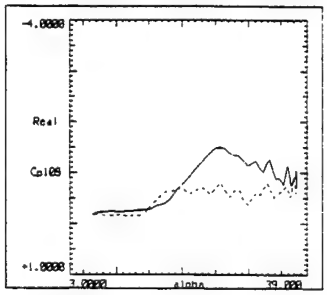


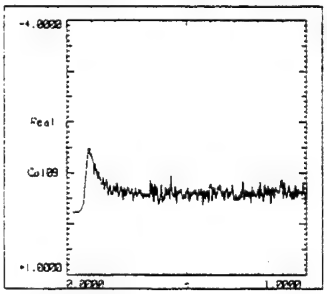


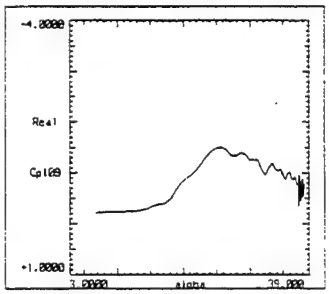


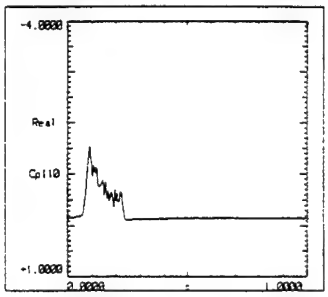


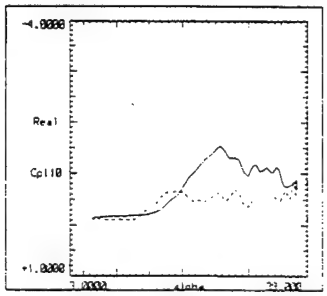


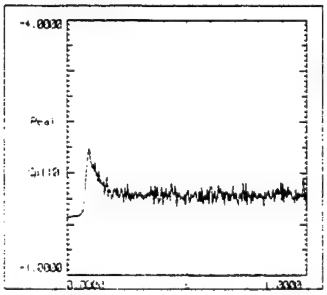


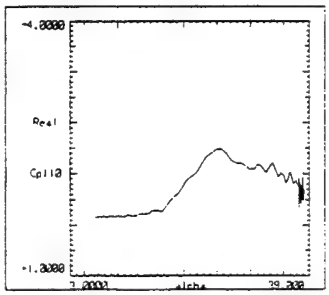










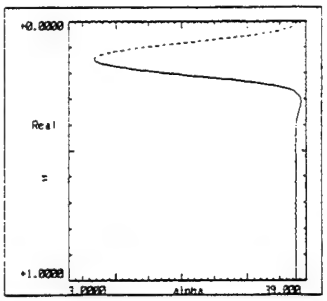


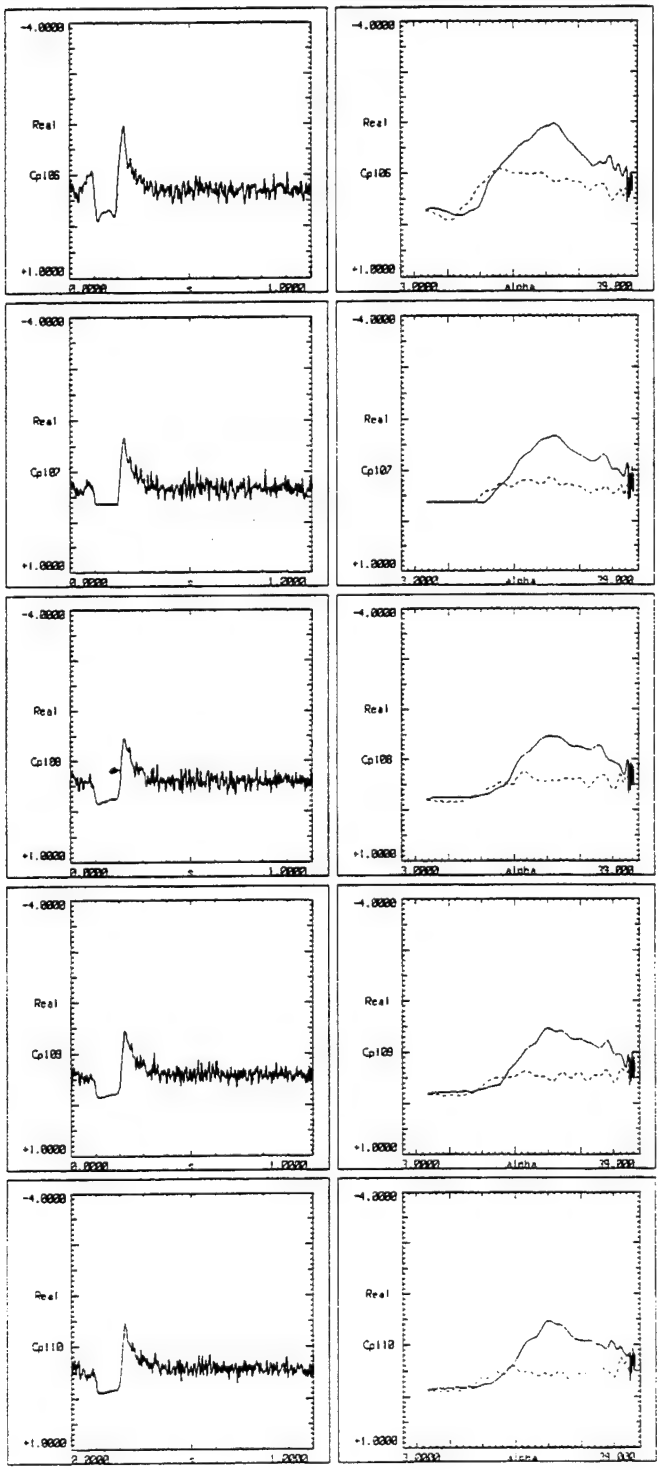
DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa





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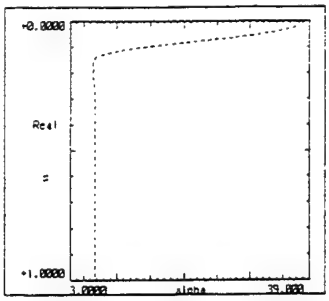
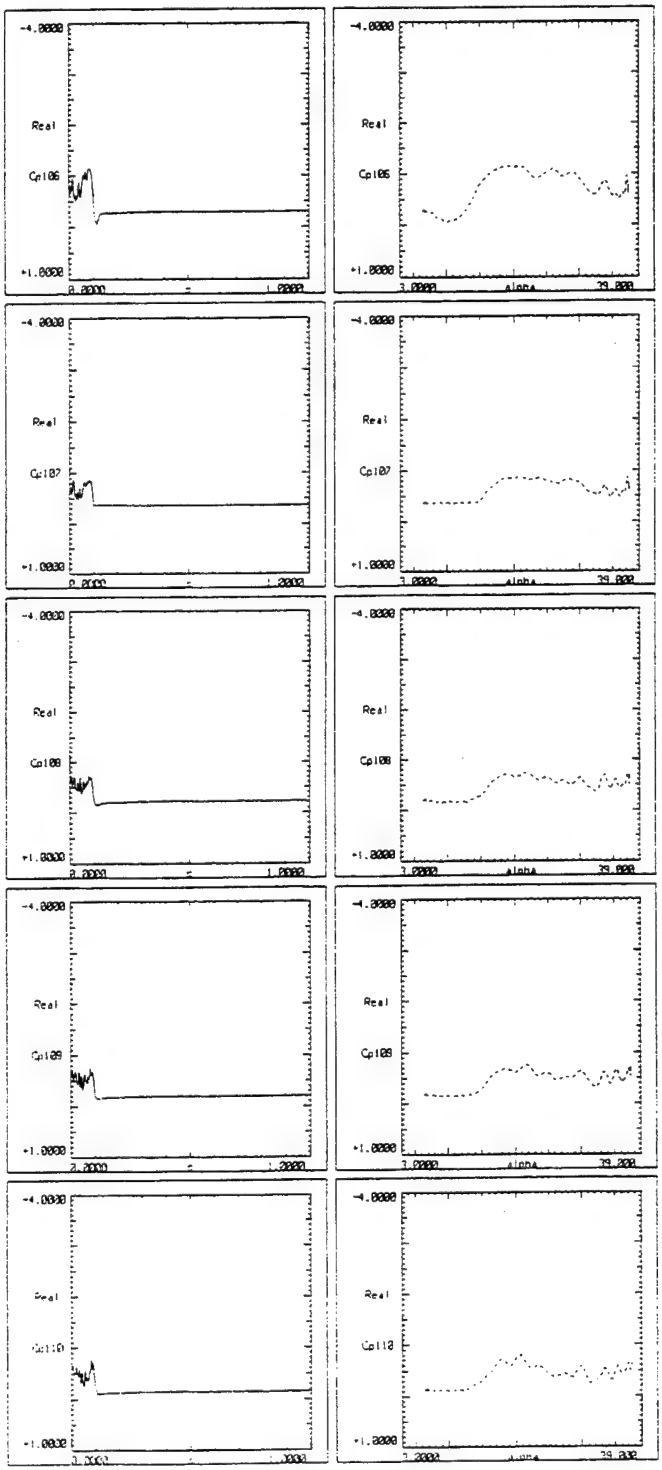


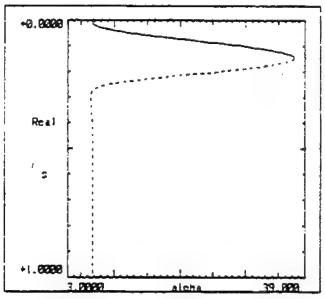


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half (1-cos) input

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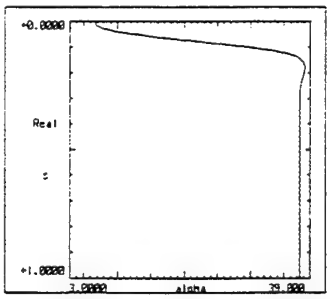

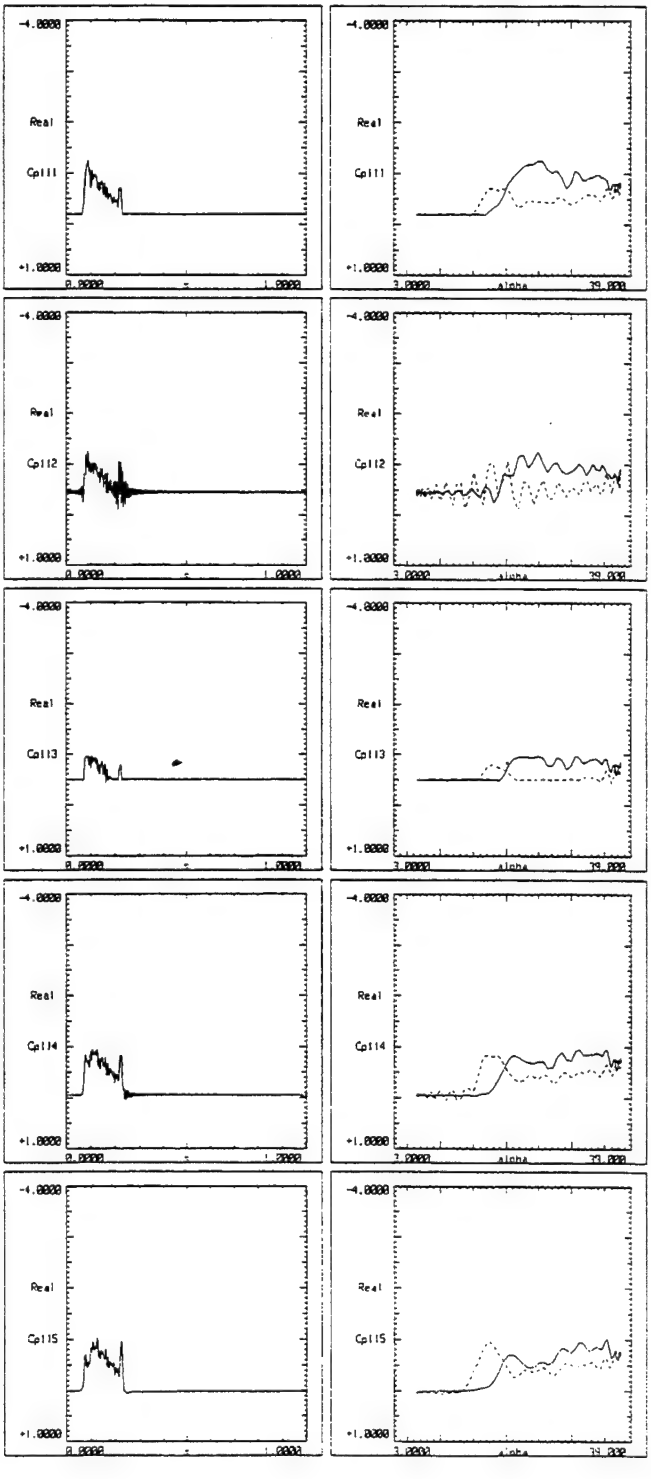

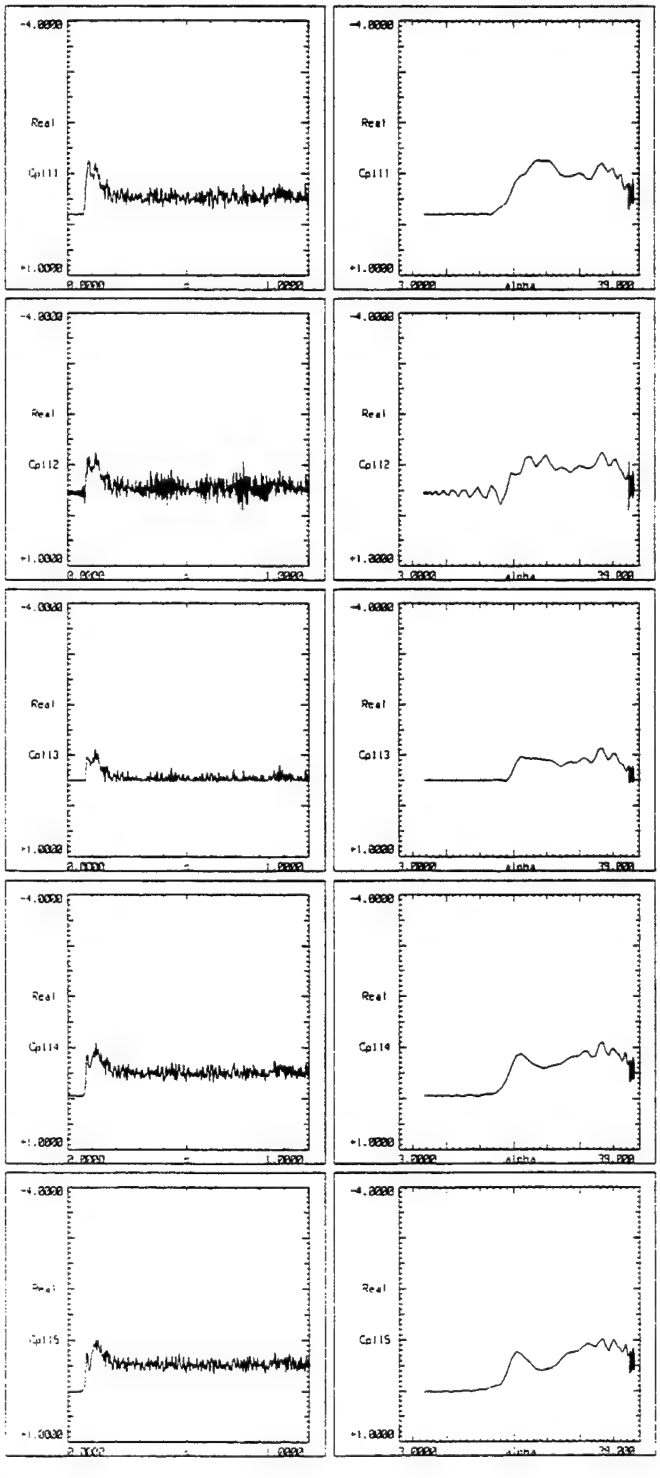

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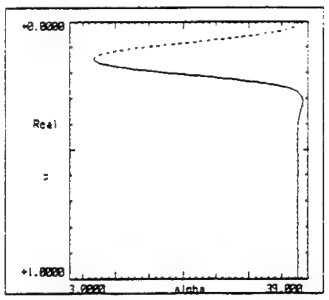

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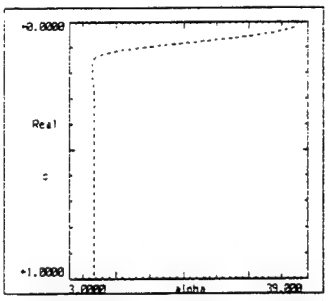

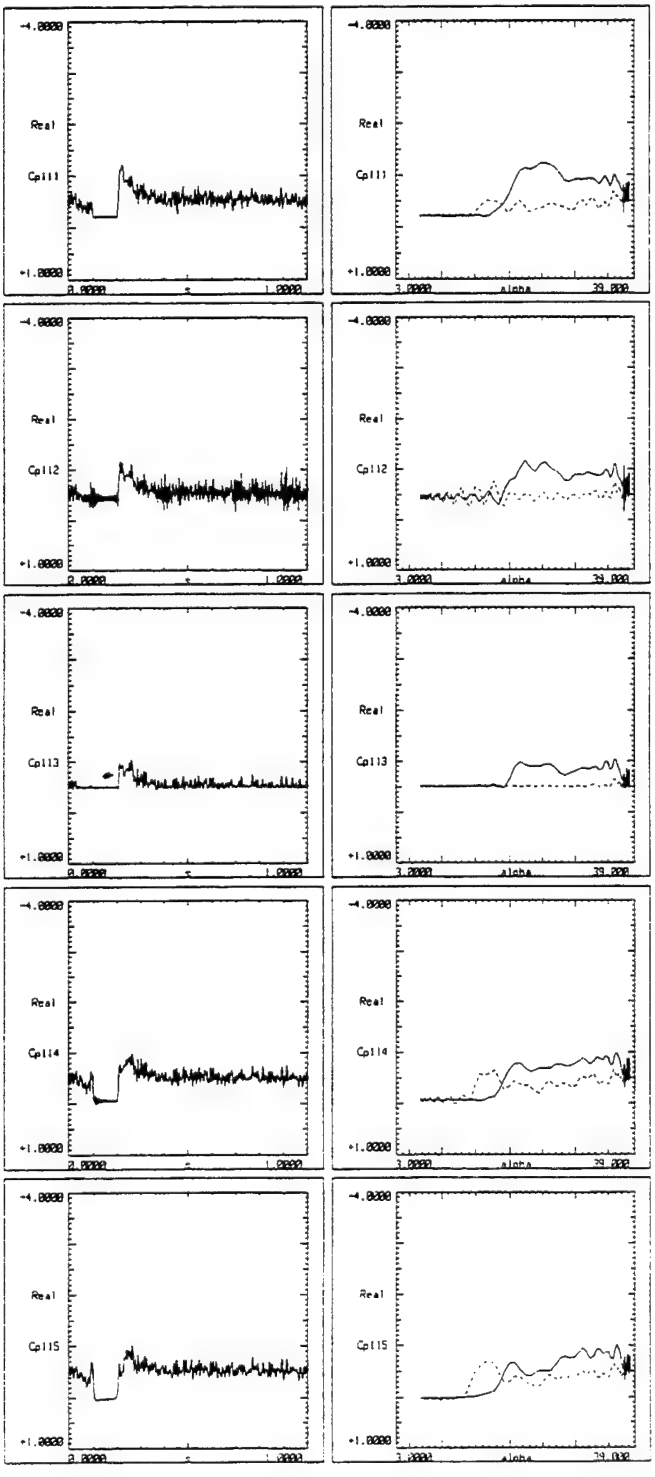

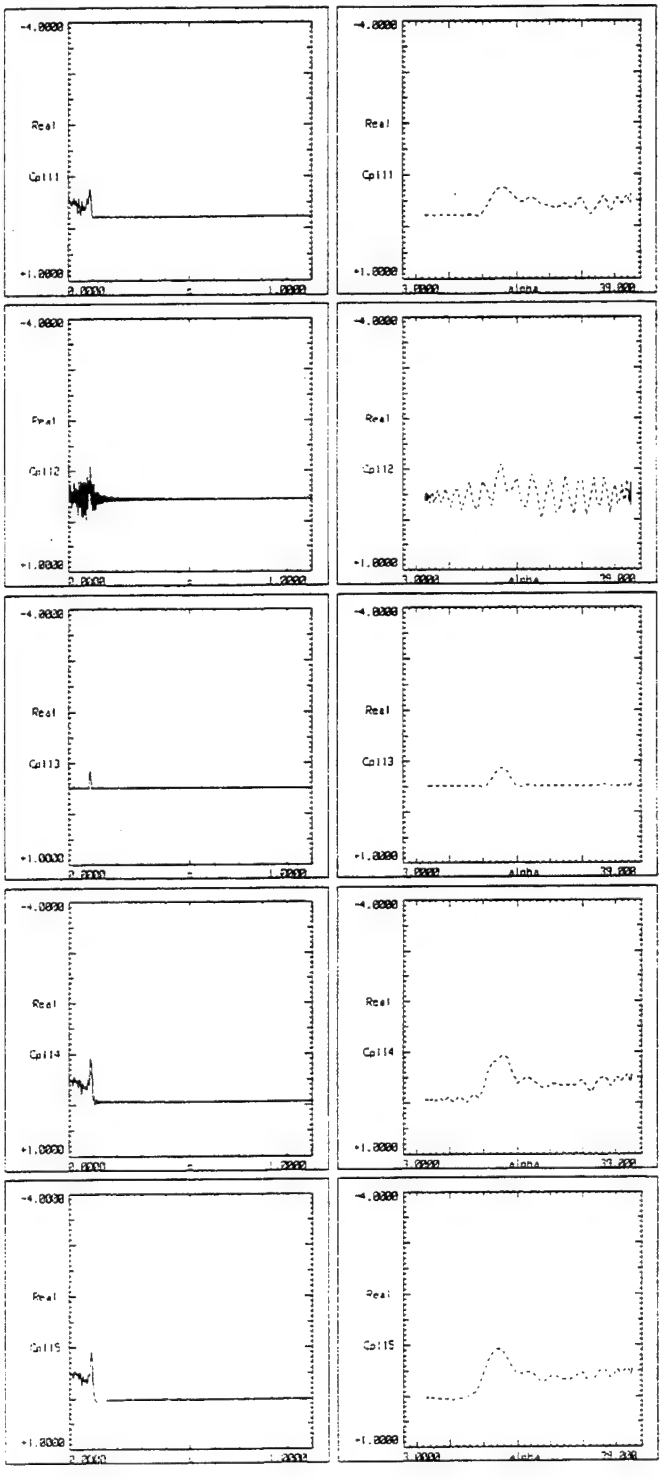

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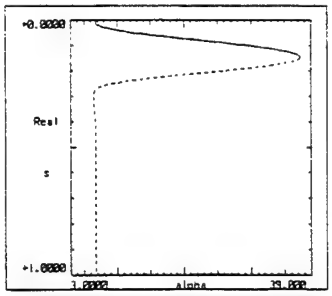

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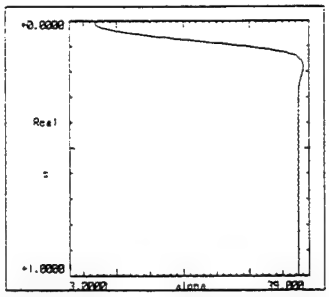
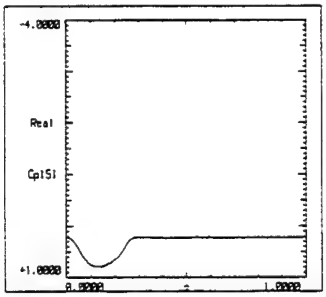
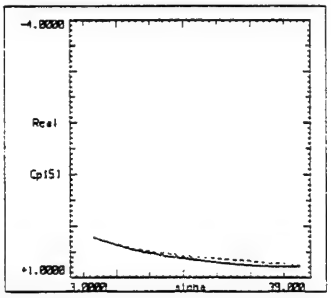
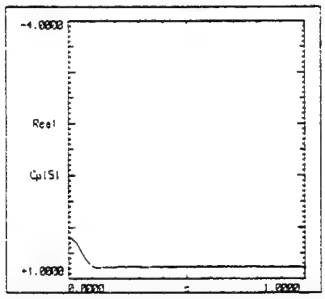
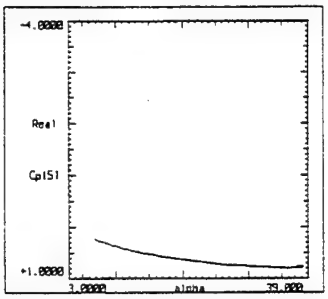
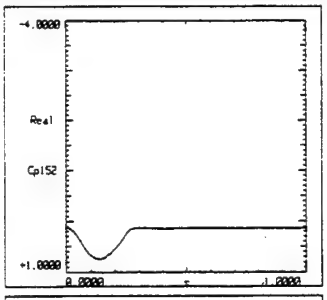


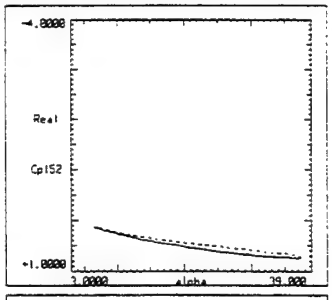


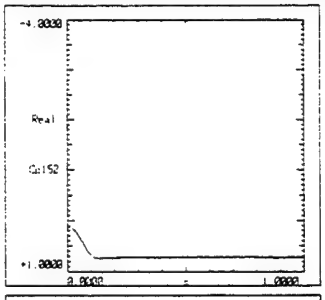


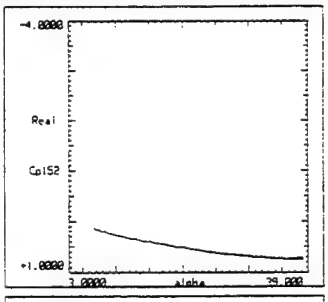


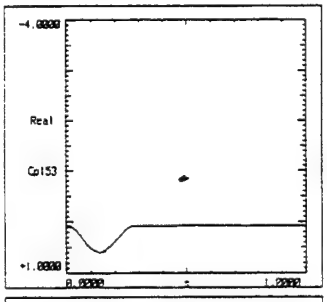


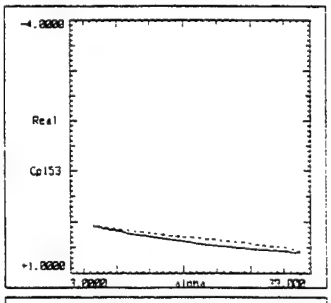


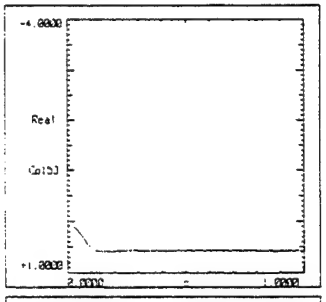


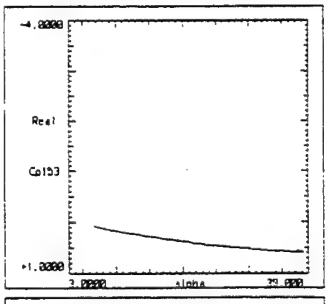


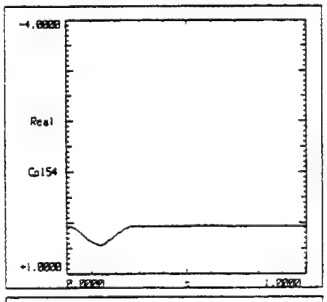


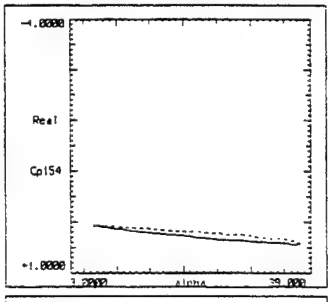


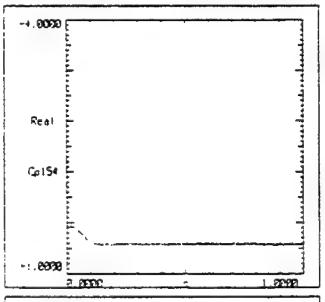


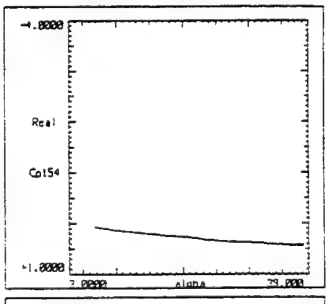


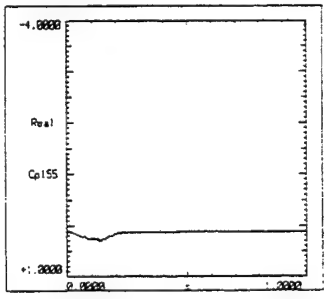


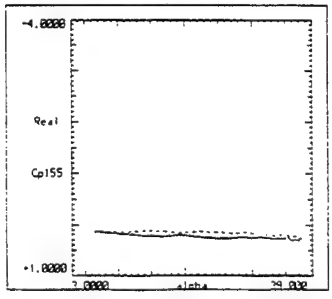


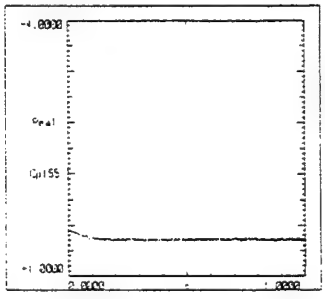


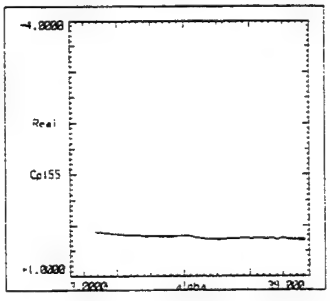










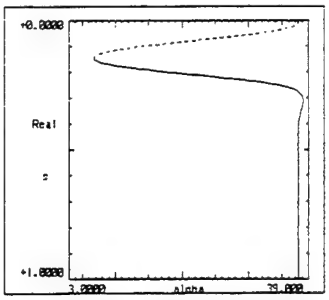


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



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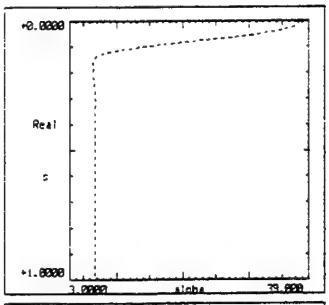

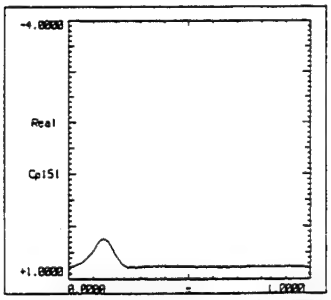

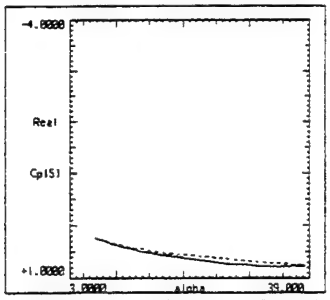

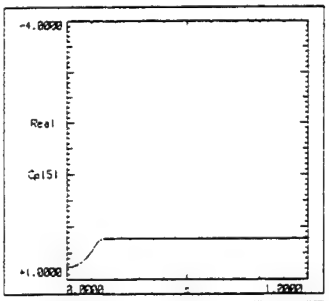

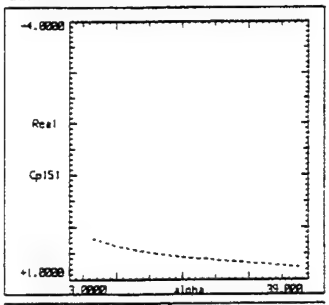

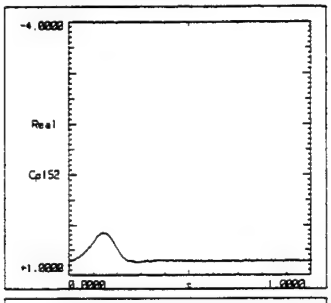

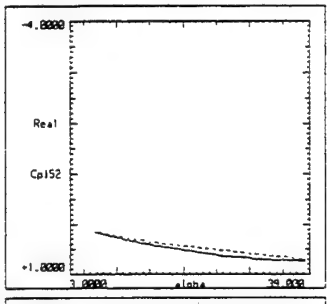

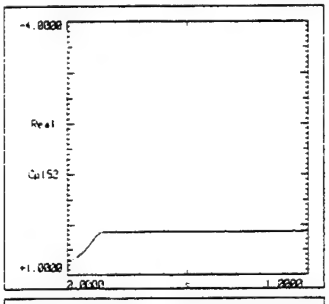

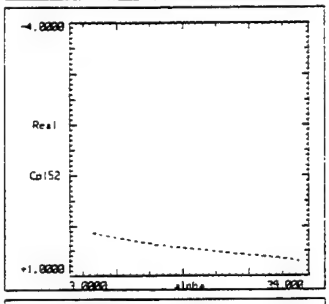

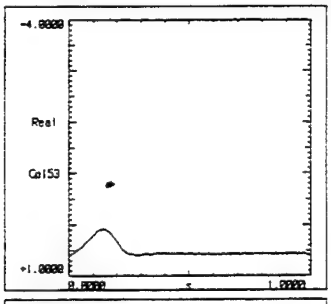

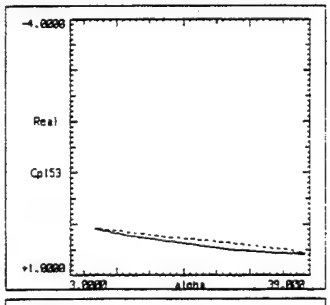

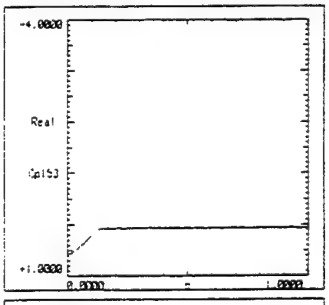

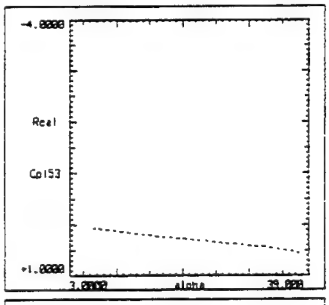

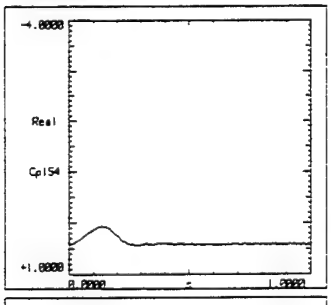

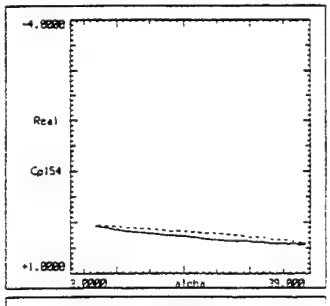

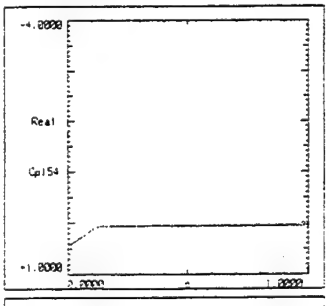

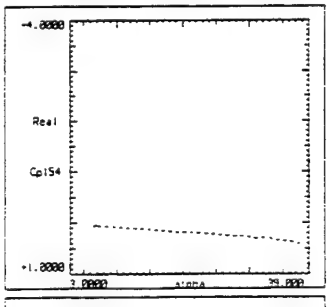

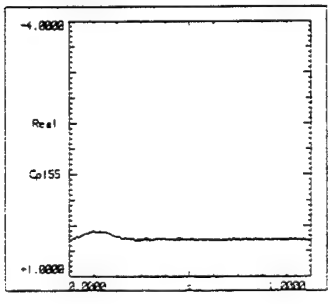

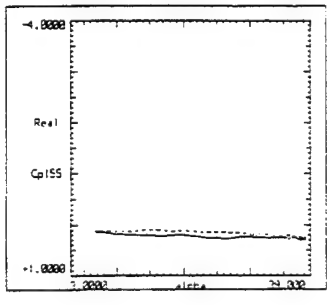

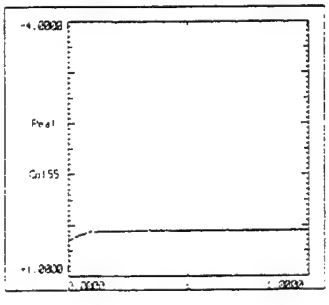

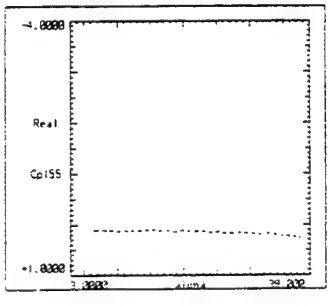

DPN : 306

full (1-cos) input

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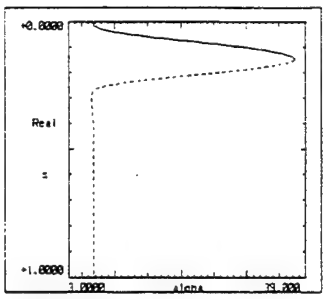
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



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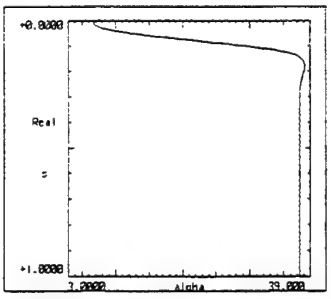

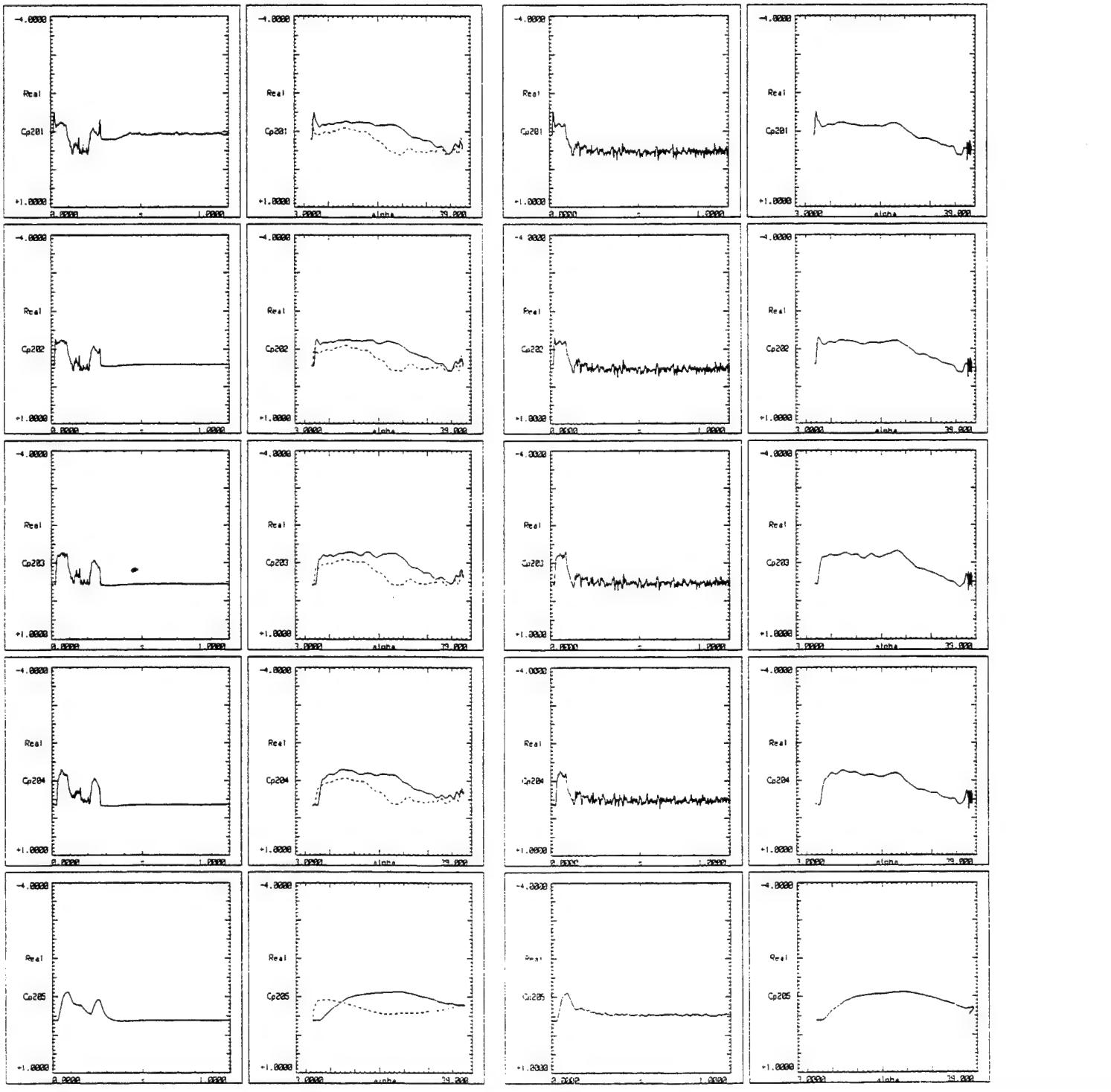

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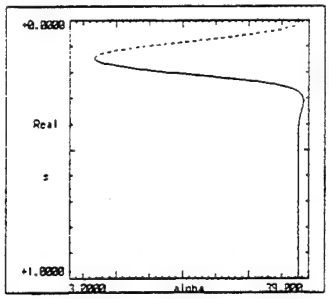

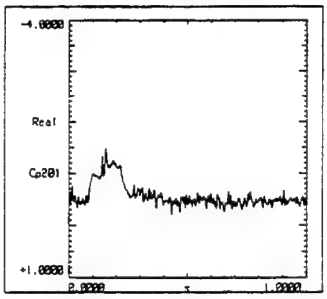

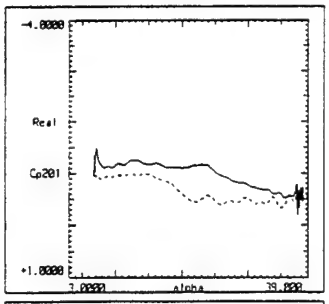

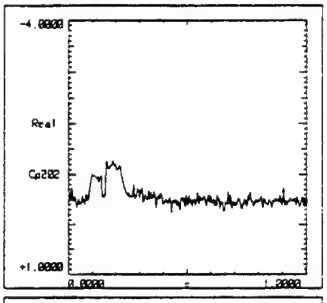

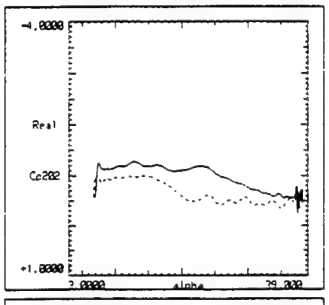

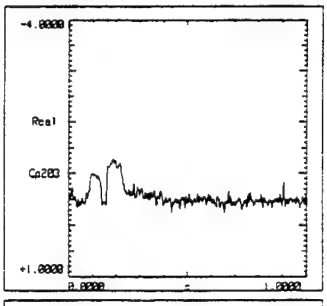

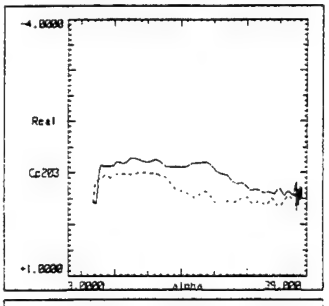

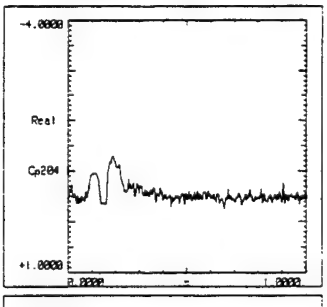

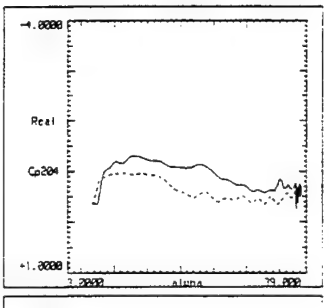

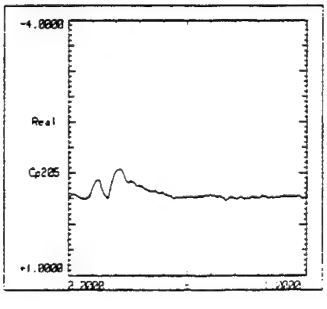

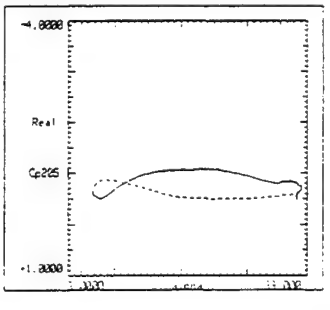

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half cos input

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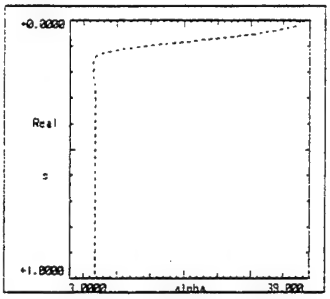

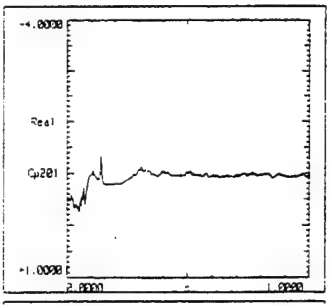

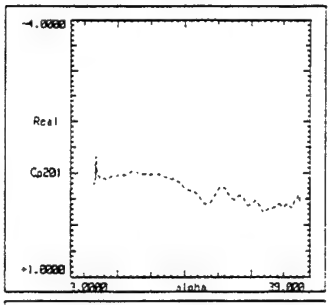

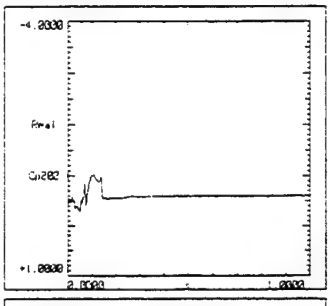

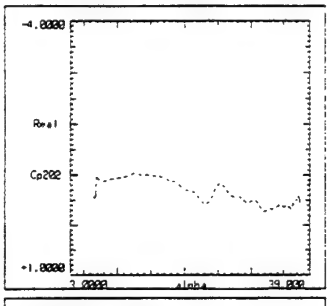

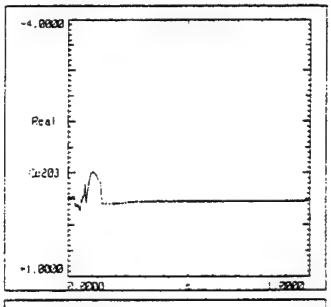

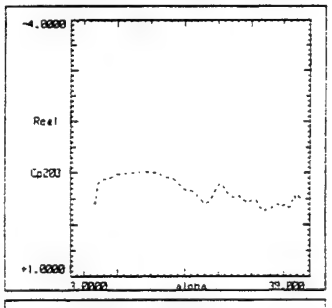

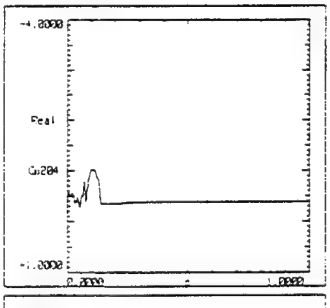

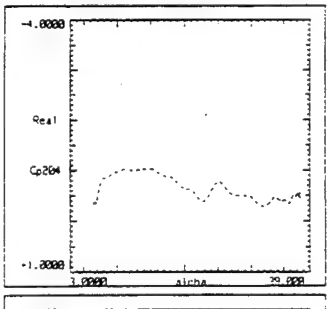

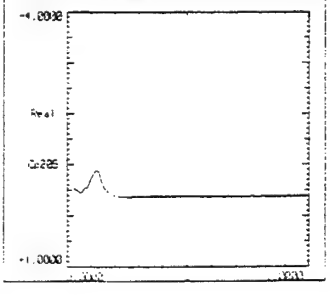

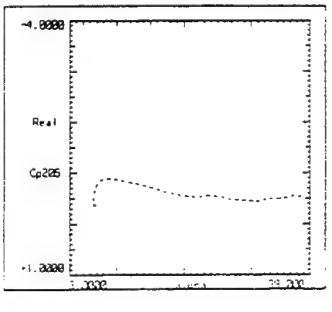

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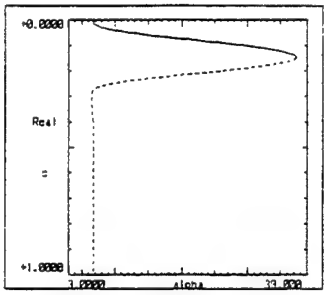
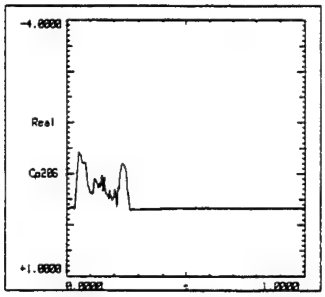
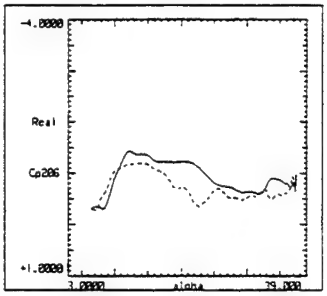
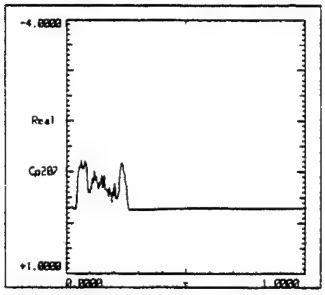
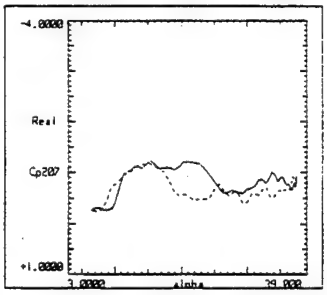
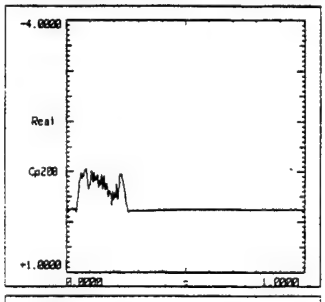


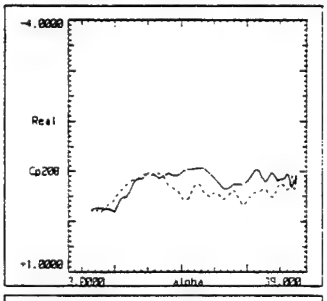


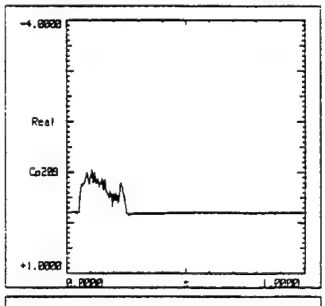


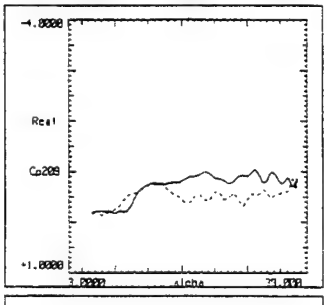










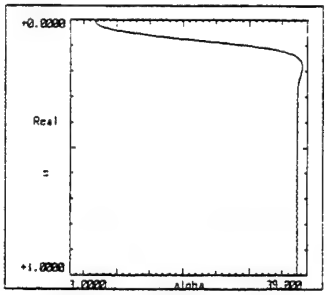


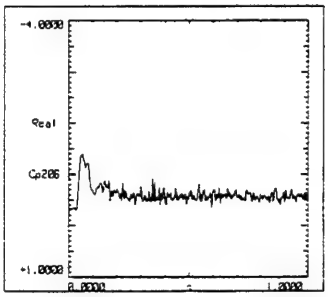
DPN : 306

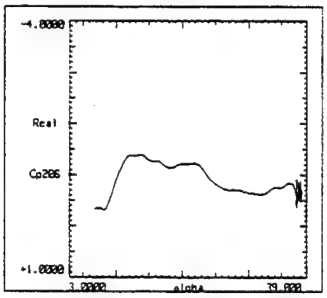
half (1-cos) input

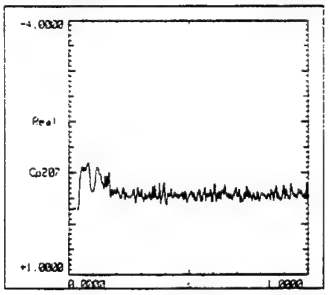
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

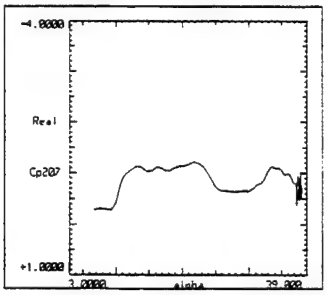
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

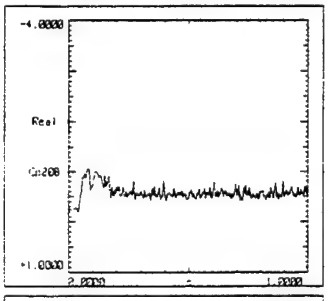


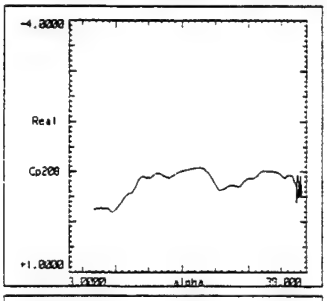


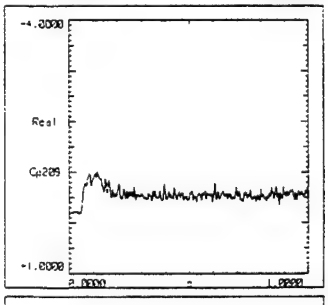


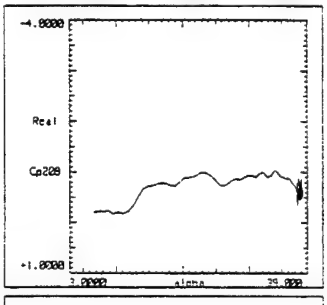










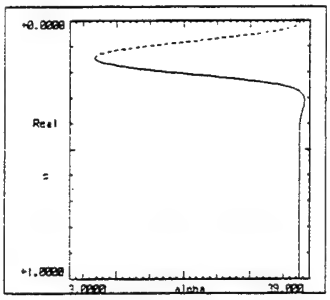


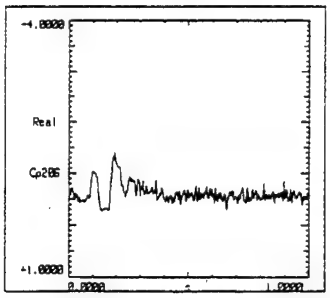
DPN : 306

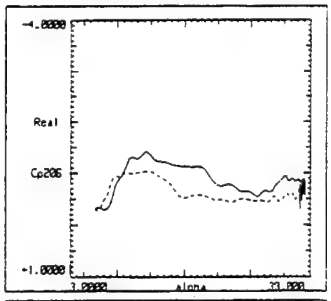
full cos input

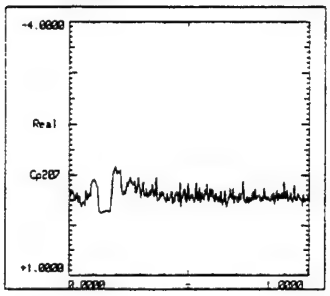
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

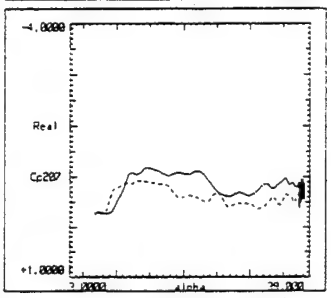
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

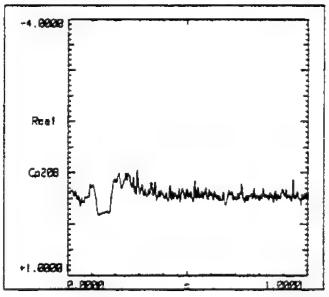


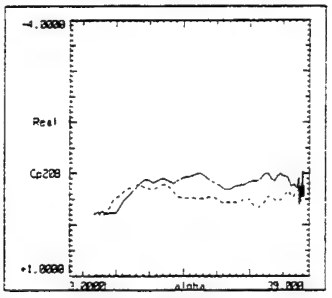


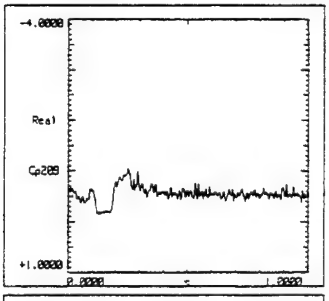


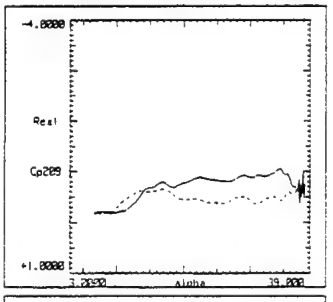










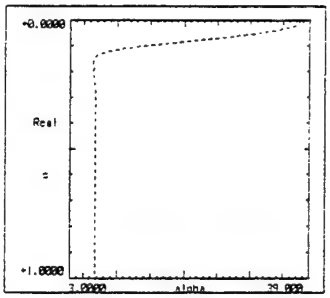


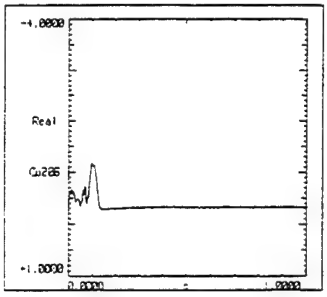
DPN : 306

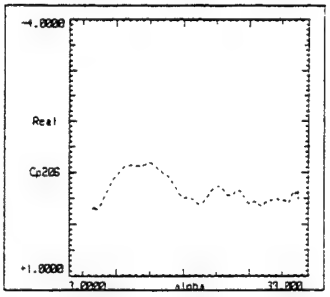
half cos input

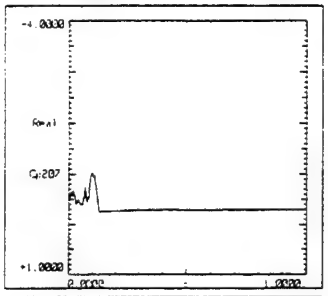
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

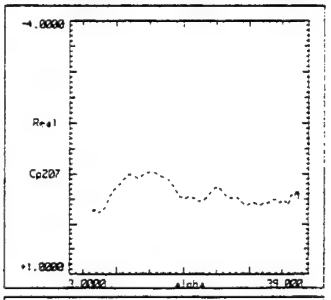
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

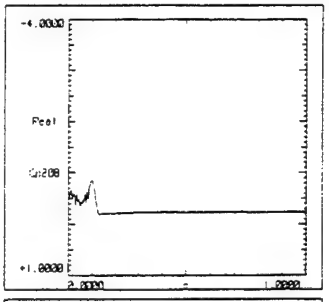


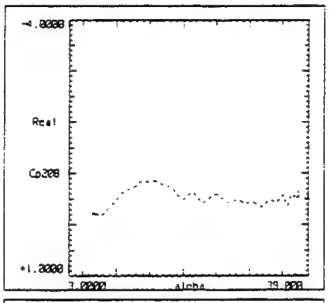


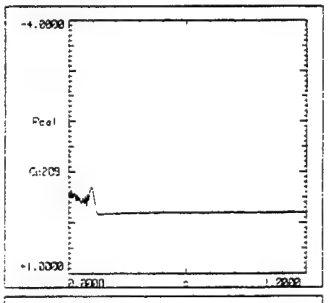


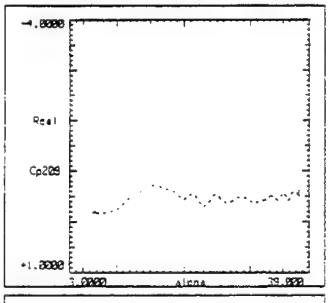










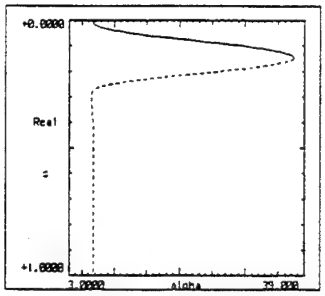


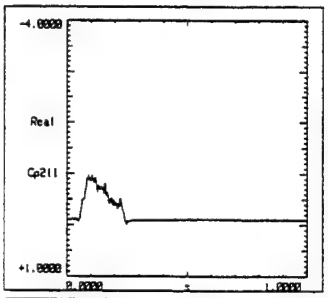
DPN : 306

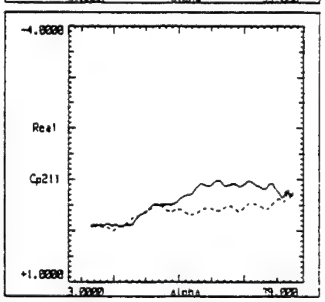
full (1-cos) input

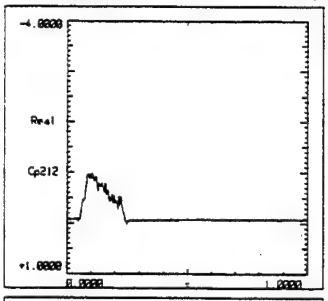
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

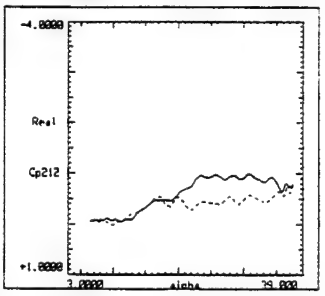
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

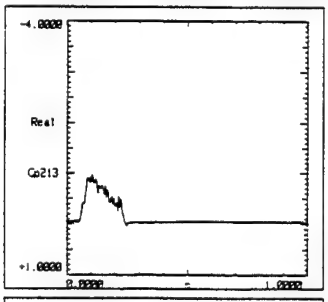


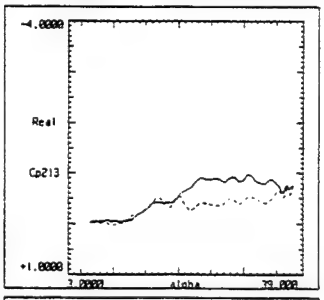


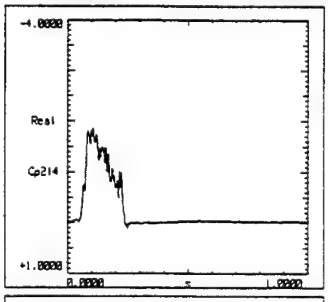


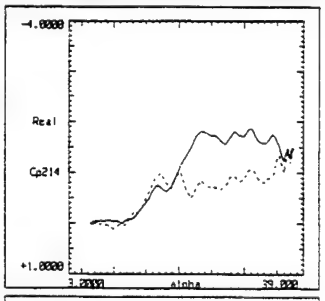


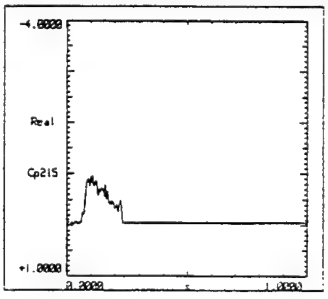


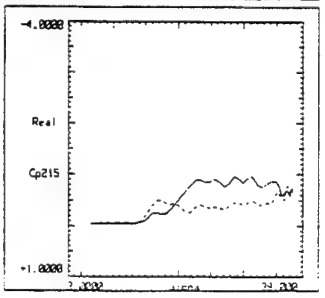










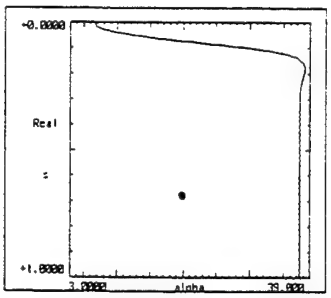


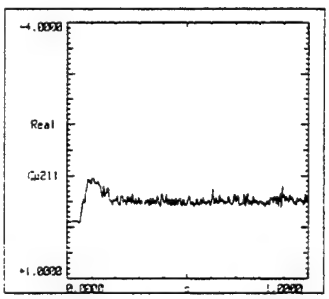
DPN : 306

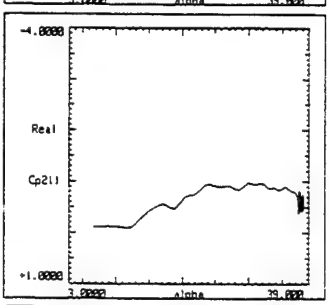
half (1-cos) input

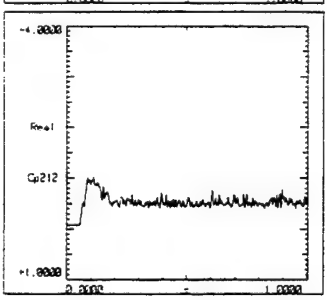
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

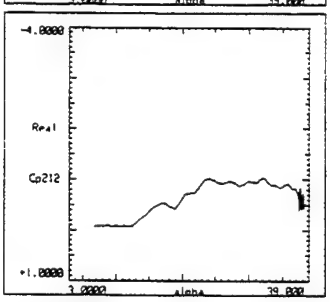
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

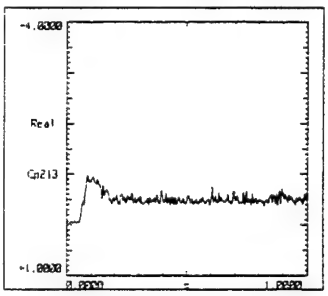


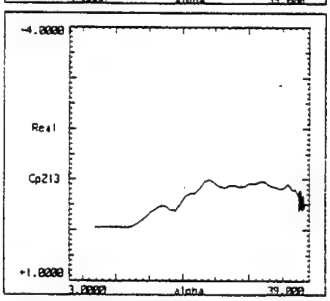


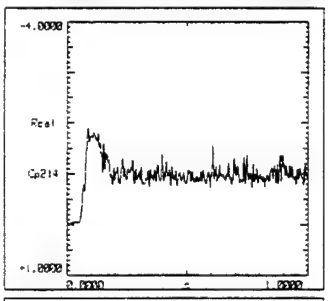


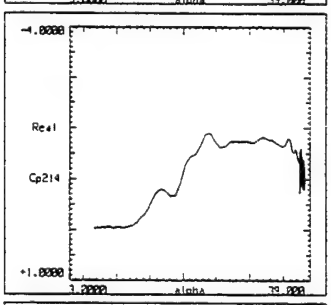


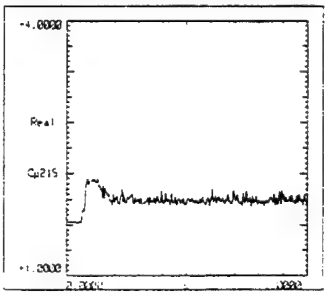


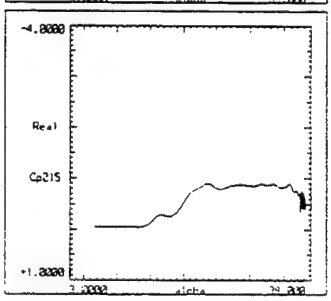










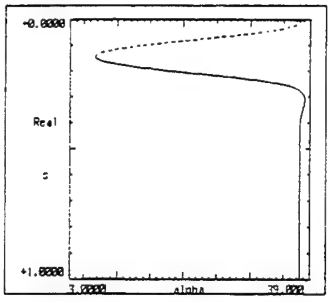


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half cos input

alpha = 22.063 deg
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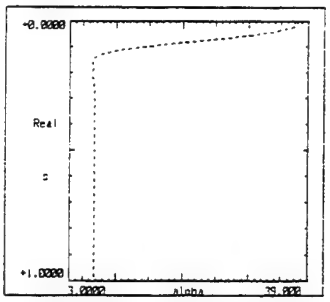
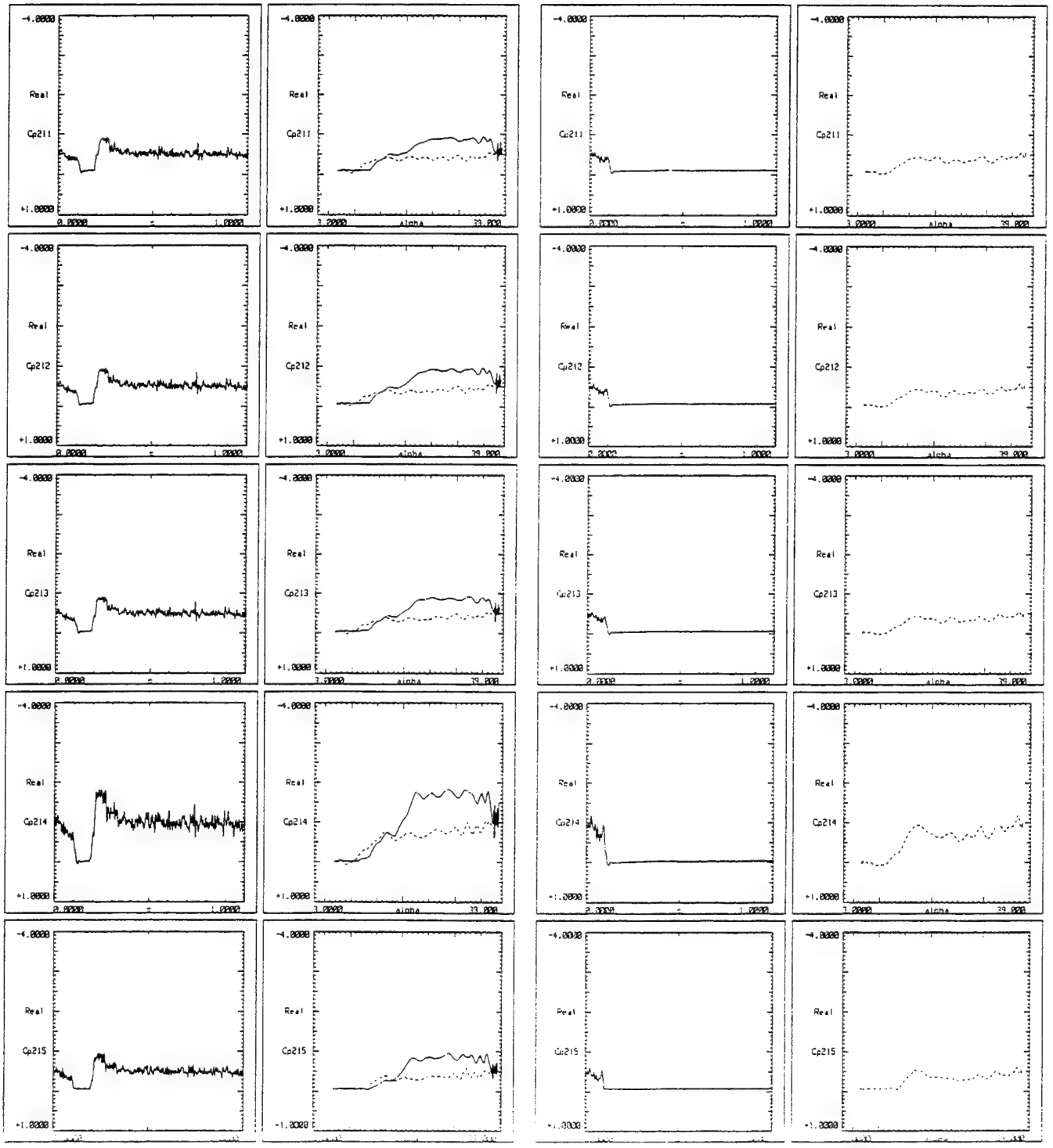
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



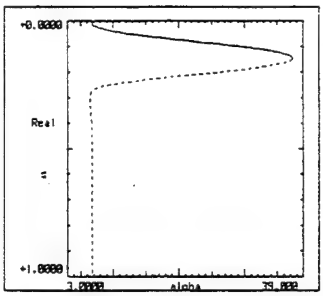


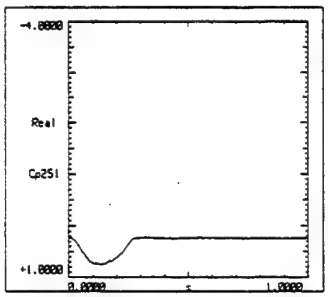
DPN : 306

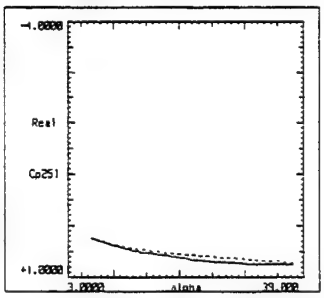
full (1-cos) input

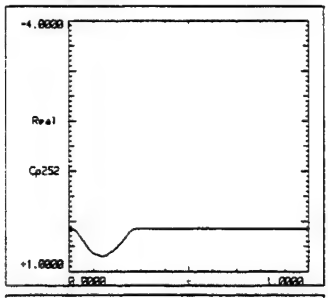
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

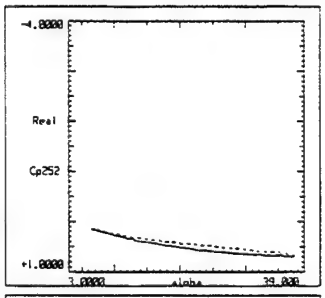
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

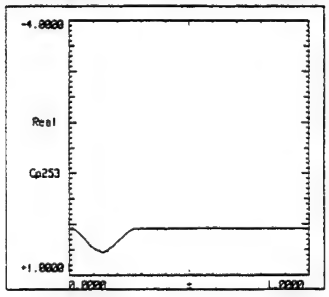


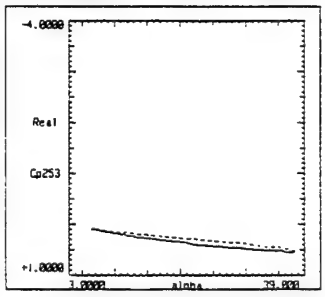


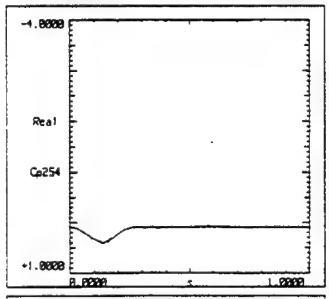


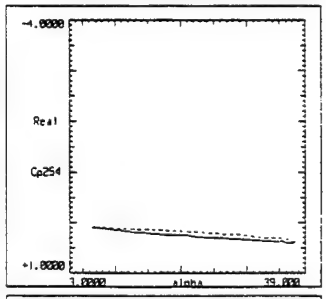


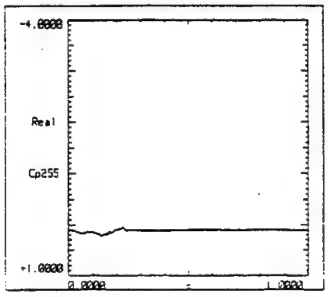


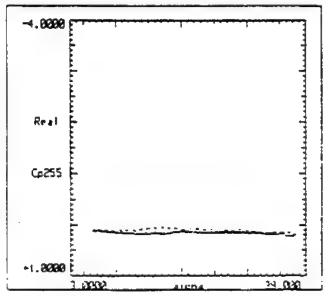










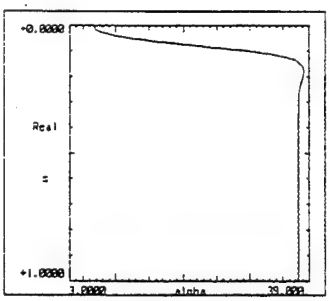


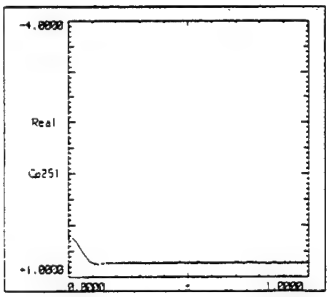
DPN : 306

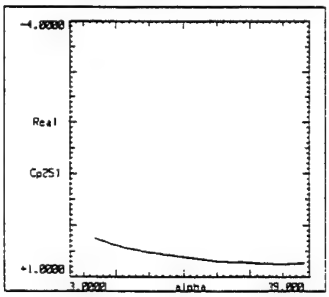
half (1-cos) input

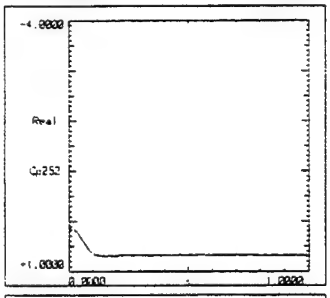
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

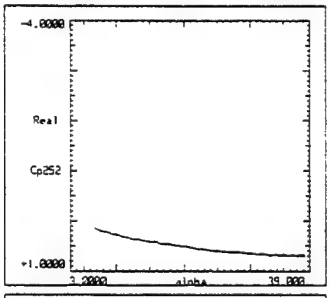
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

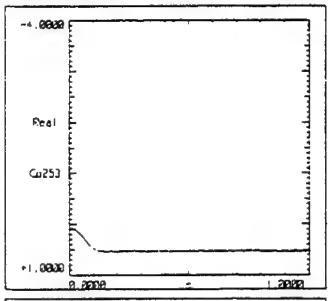


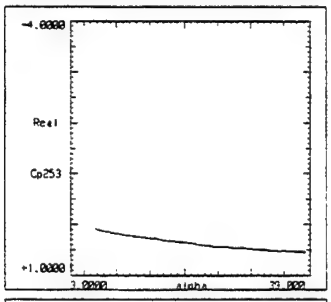


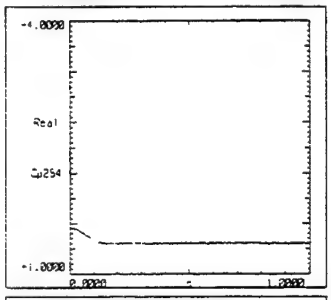


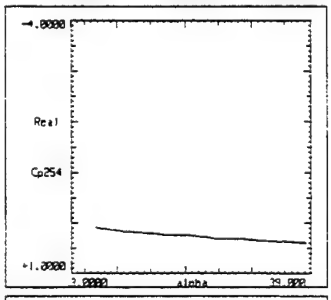


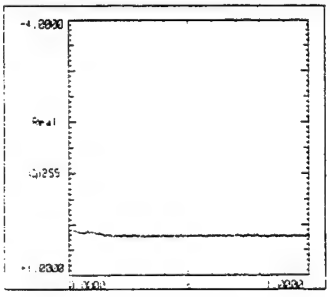


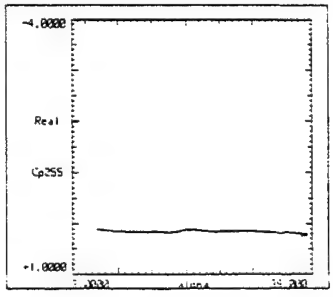










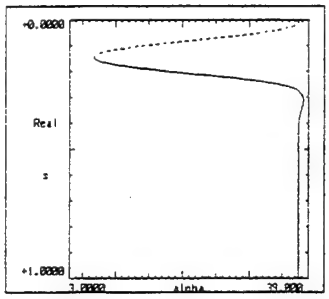


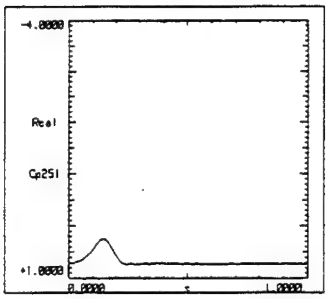
DPN : 306

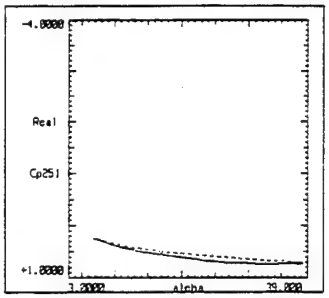
full cos input

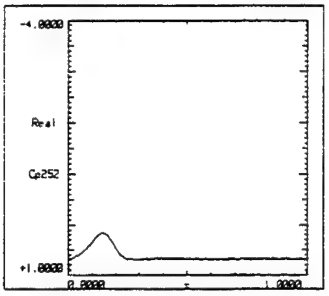
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

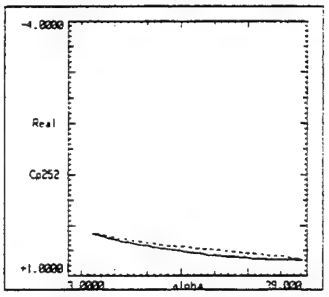
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

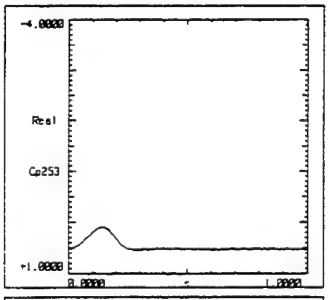


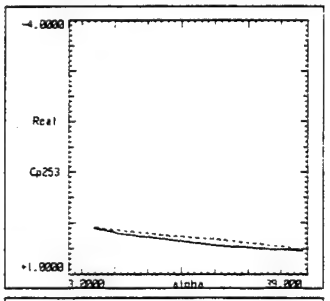


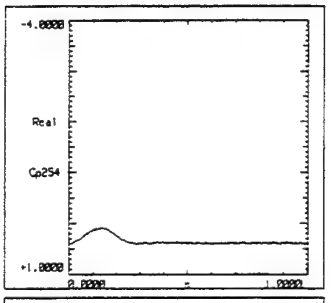


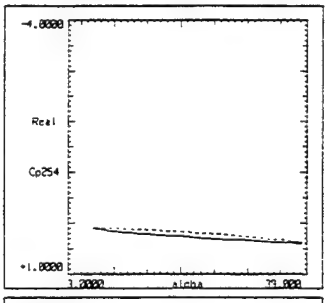


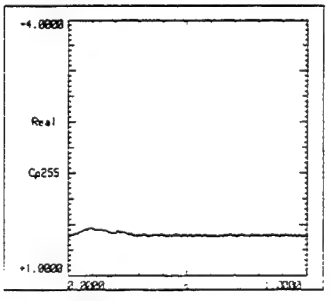


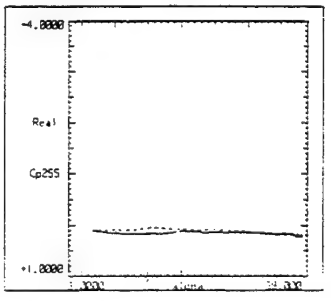










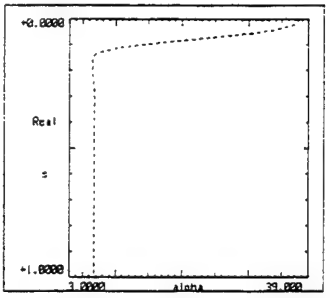


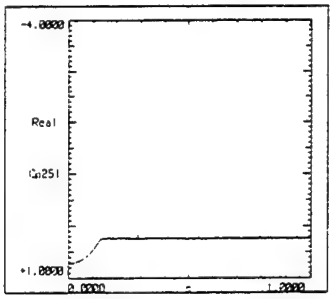
DPN : 306

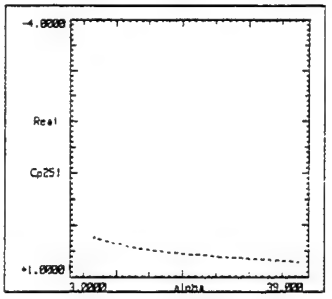
half cos input

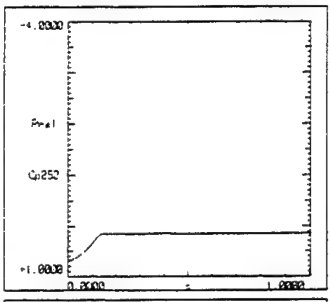
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

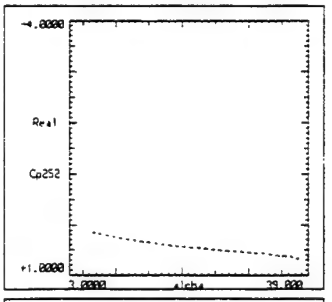
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

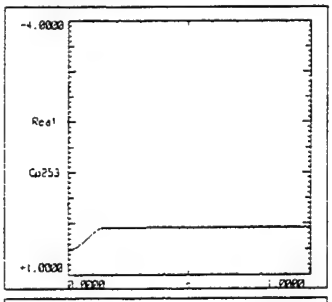


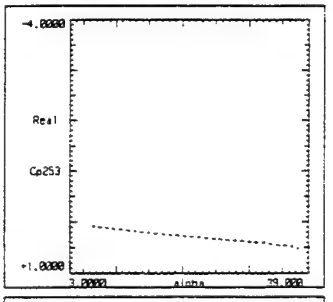


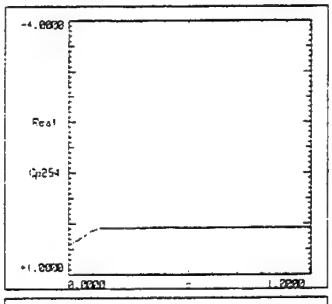


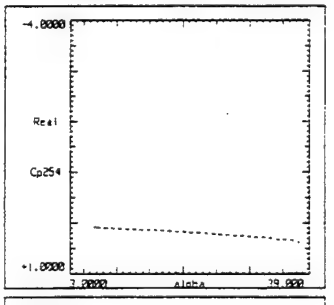


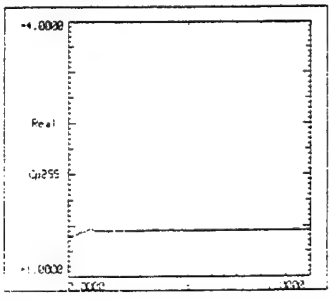


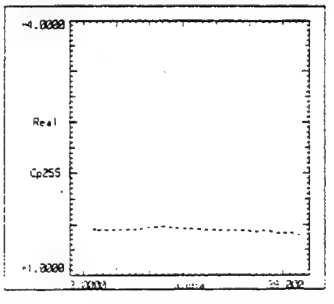








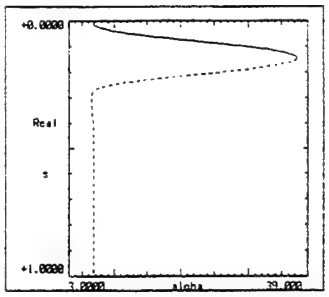


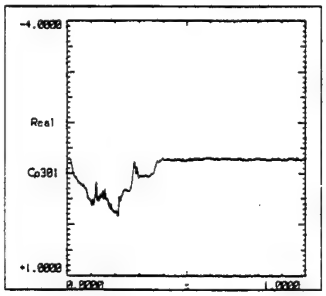


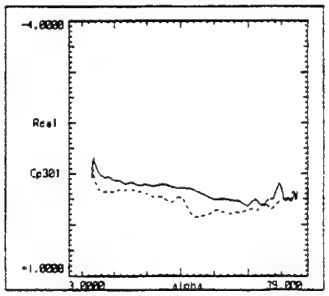
DPN : 306

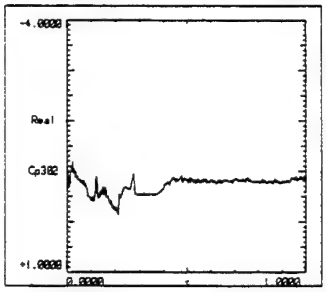
full (1-cos) input

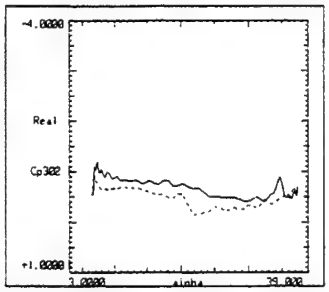
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

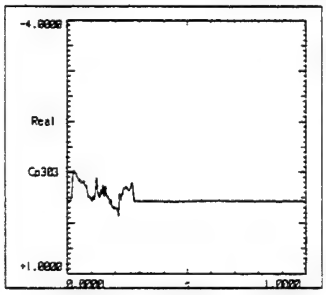


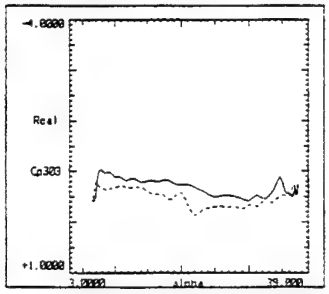


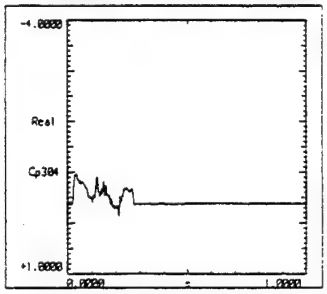


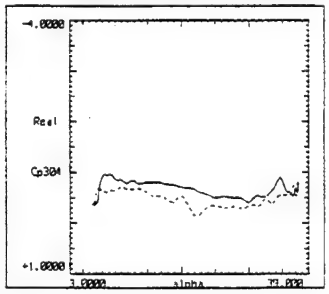


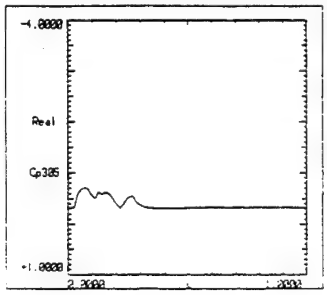


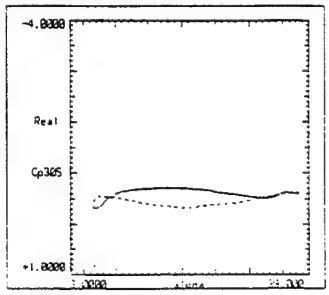








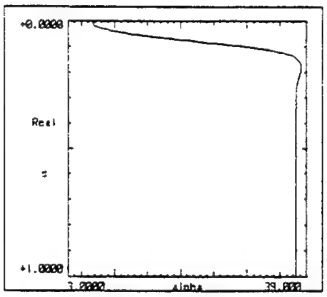


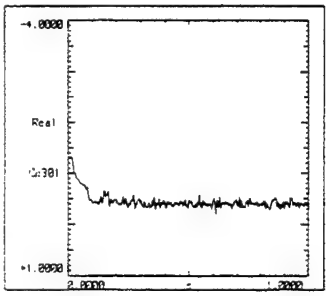


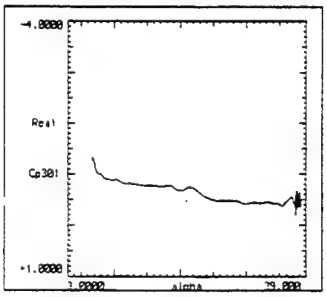
DPN : 306

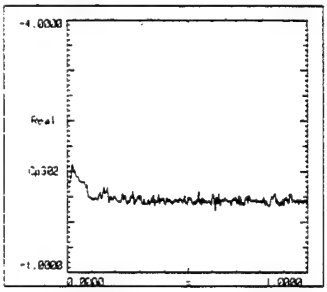
half (1-cos) input

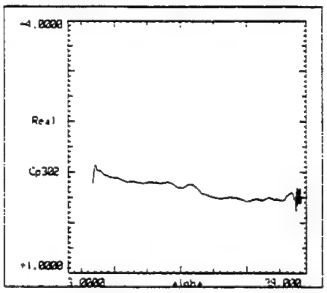
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

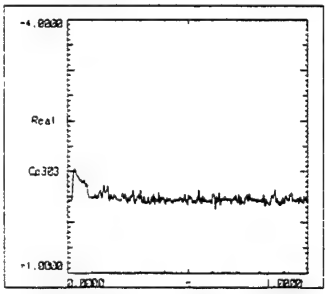


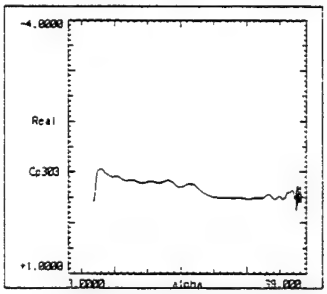


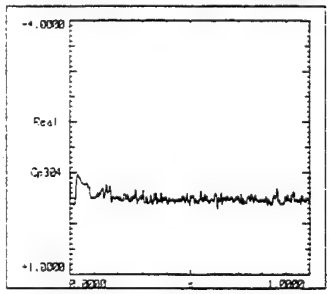


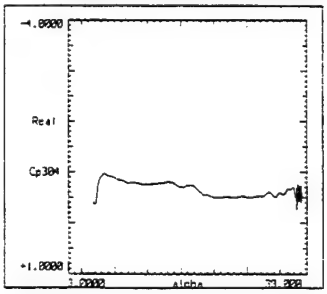


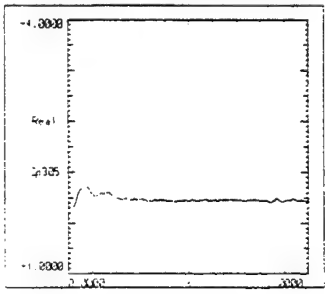


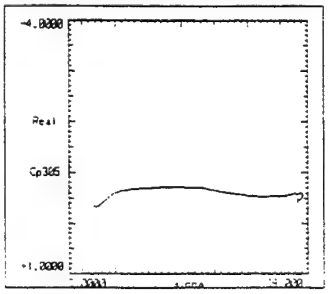










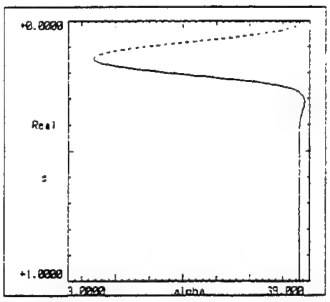


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

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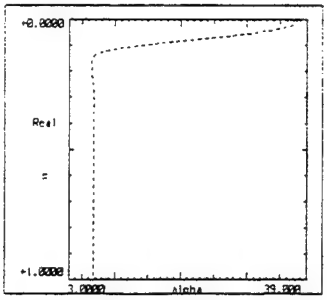
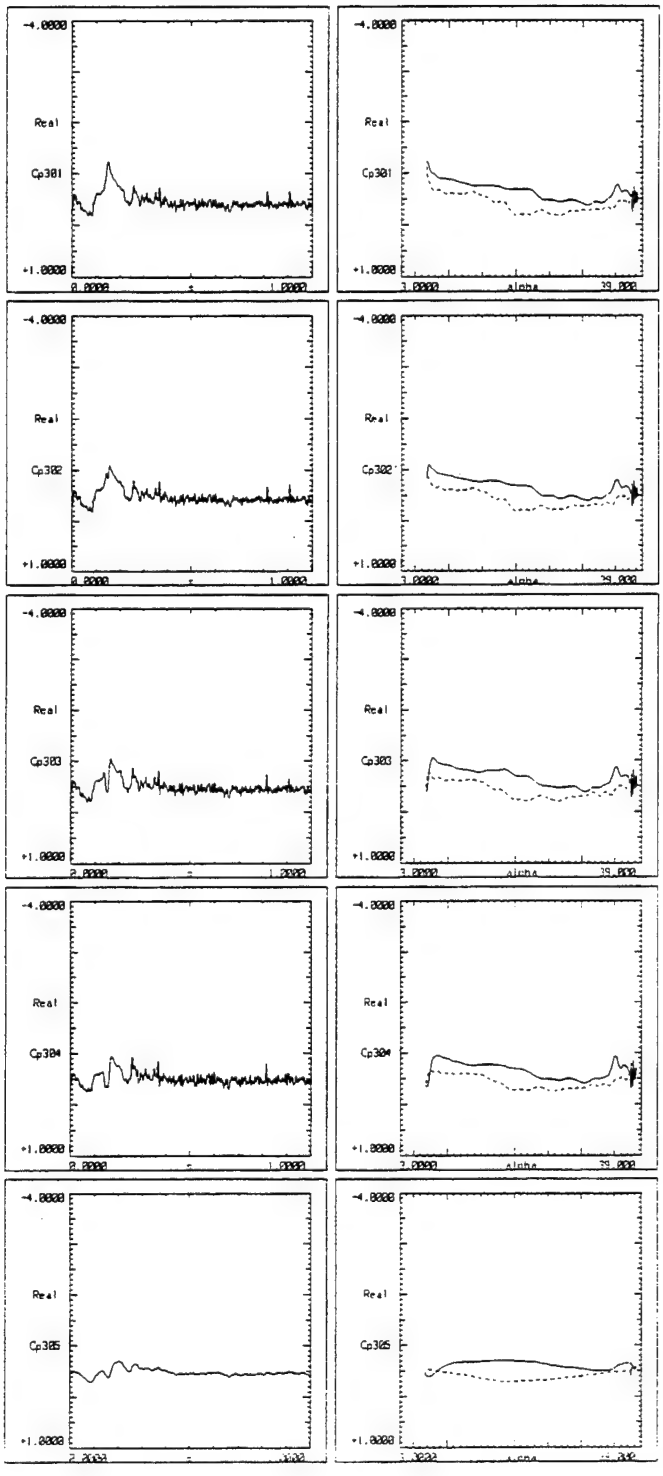
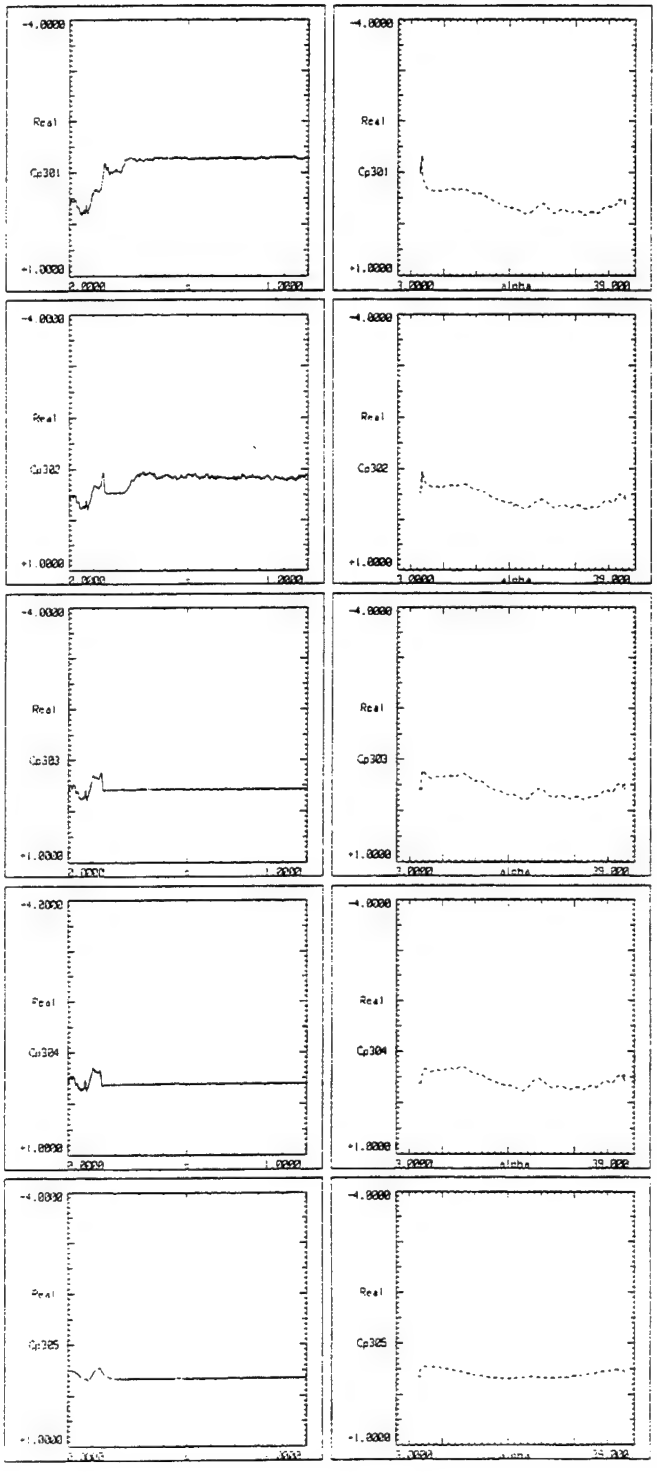




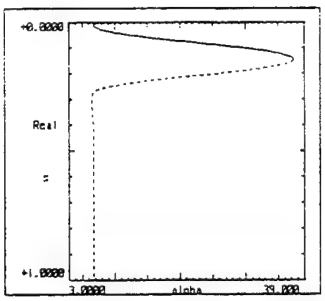


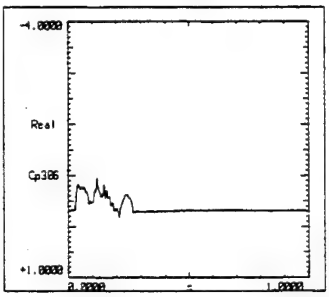
DPN : 306

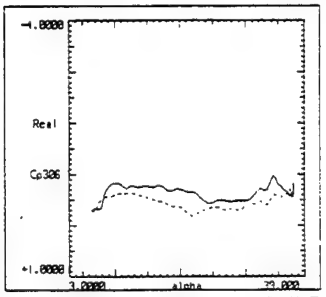
full (1-cos) input

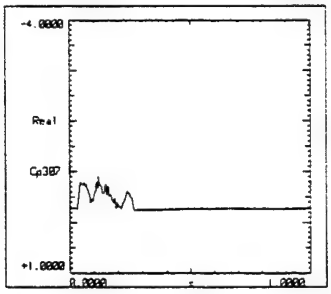
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

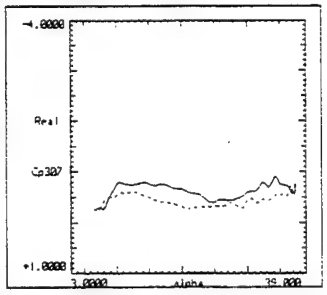
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

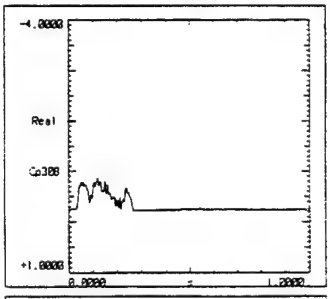


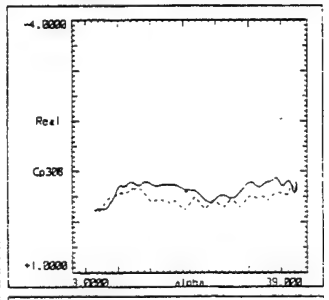


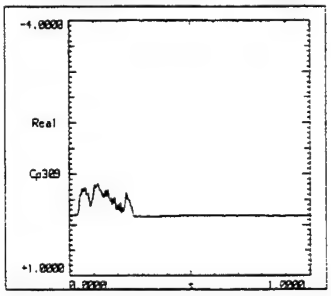


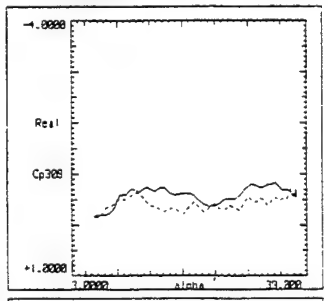


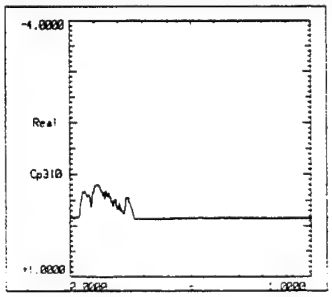


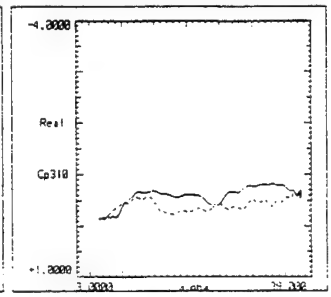










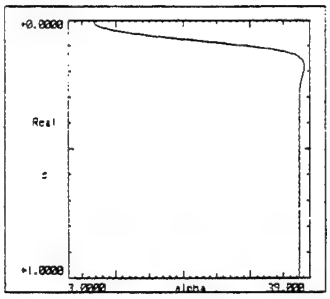


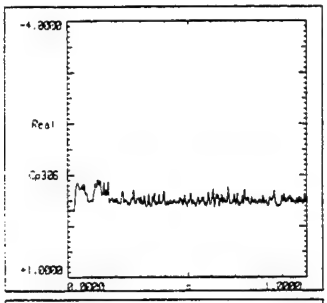
DPN : 306

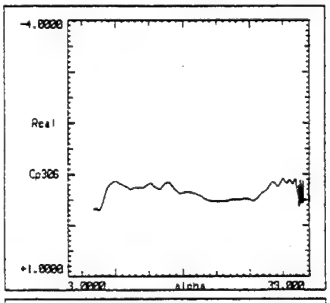
half (1-cos) input

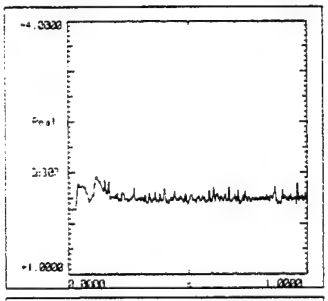
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

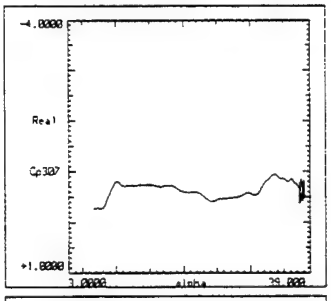
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

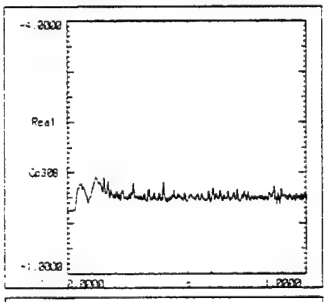


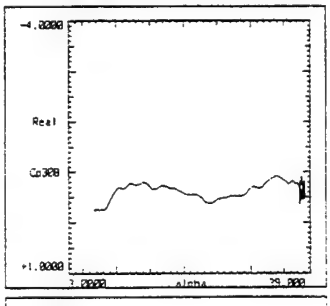


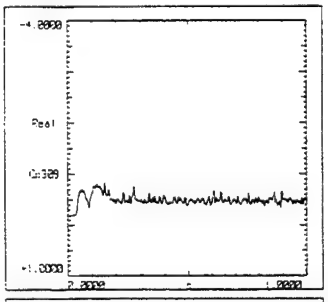


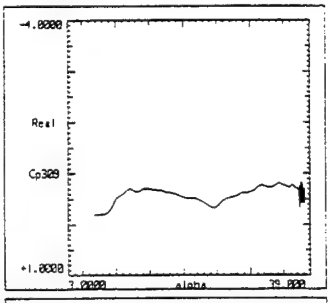


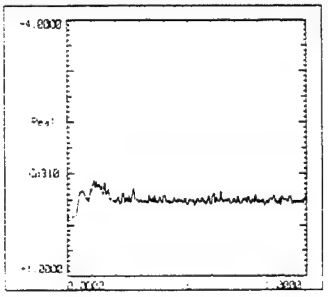


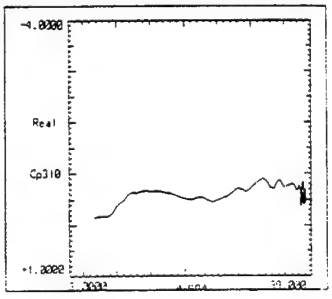










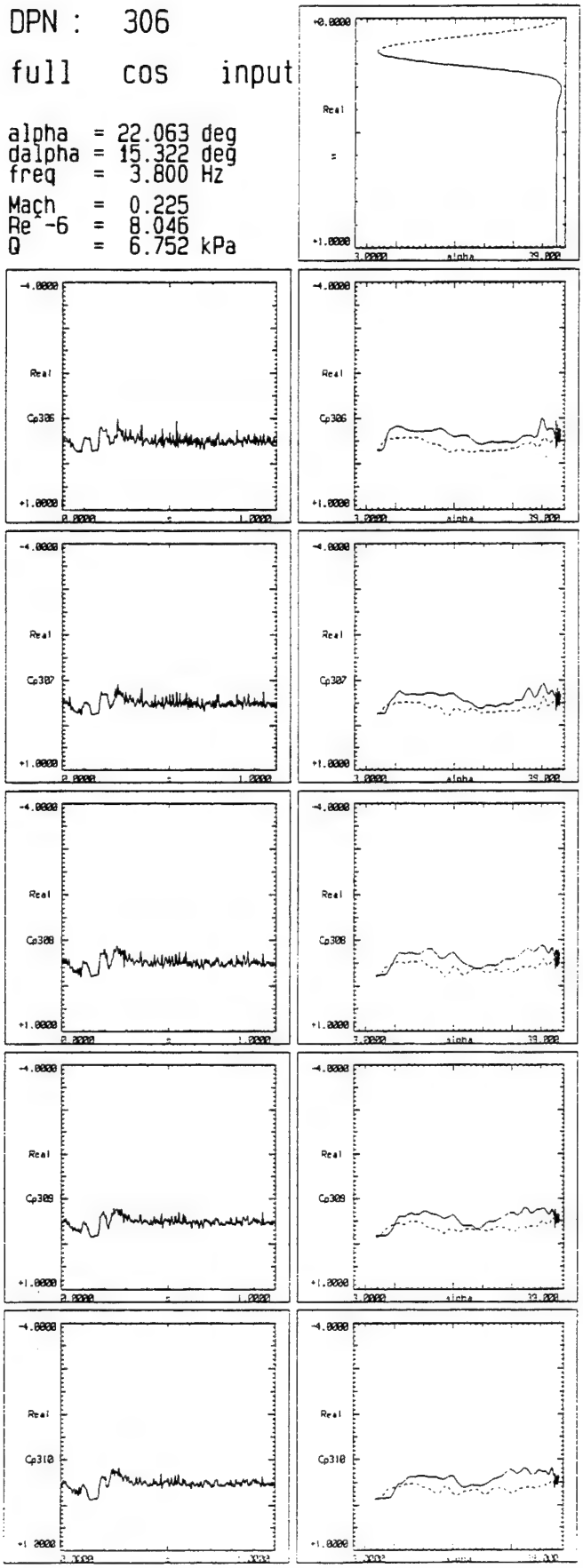


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



DPN : 306

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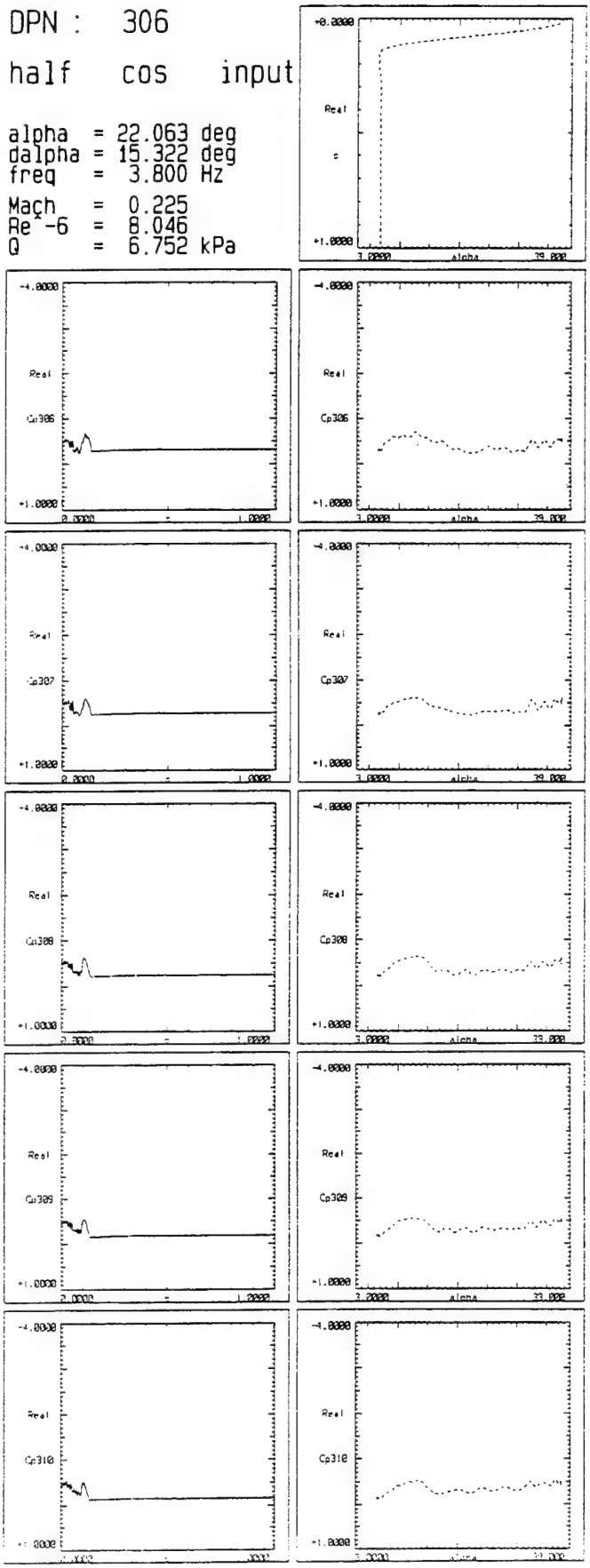
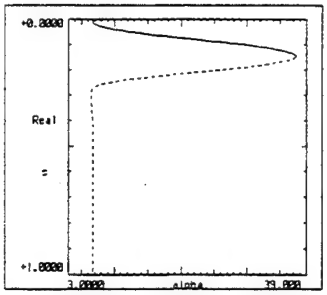


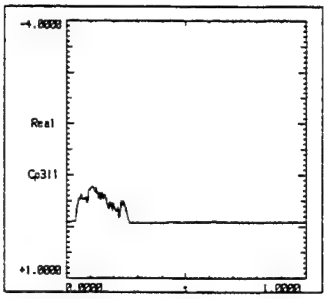
DPN : 306

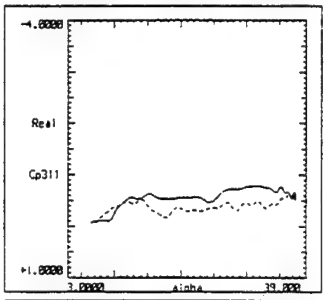
full (1-cos) input

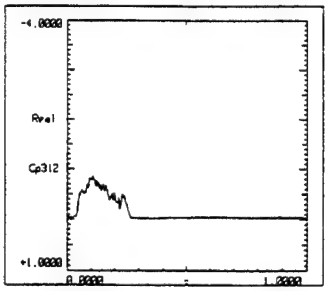
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

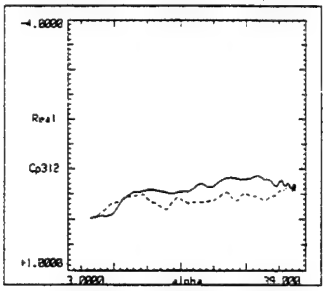
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa











DPN : 306

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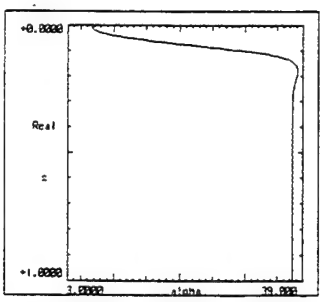

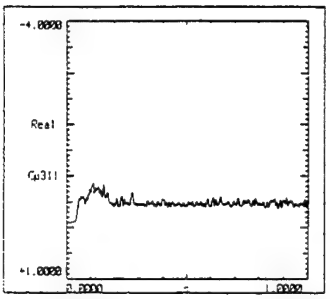

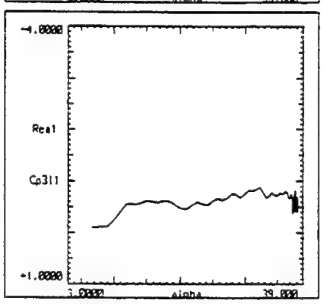

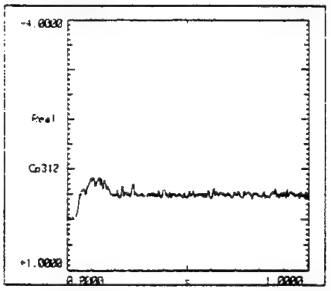

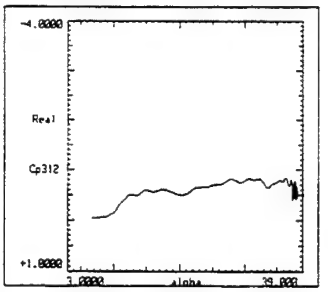

DPN : 306

full cos input

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dalpha = 15.322 deg
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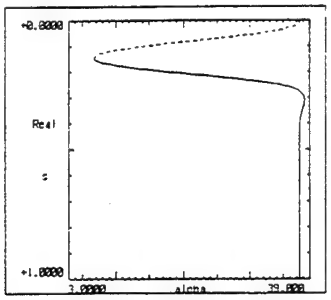
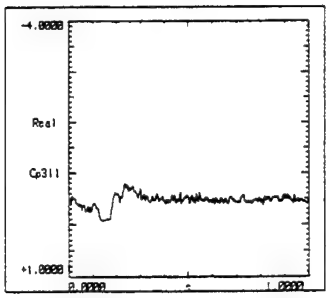
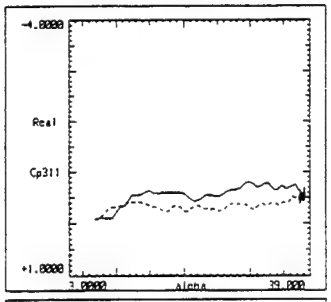
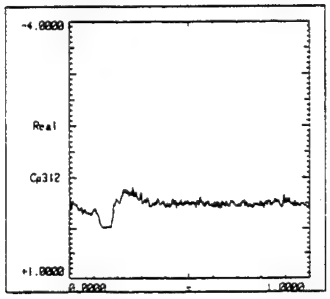
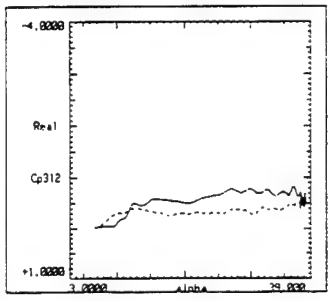
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









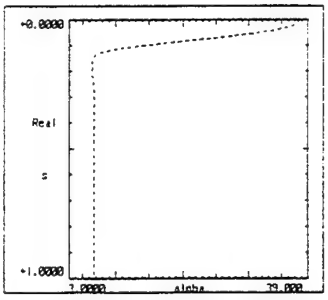


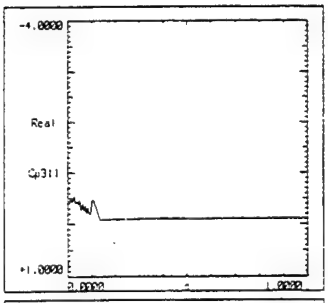
DPN : 306

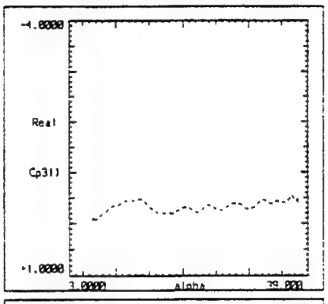
half cos input

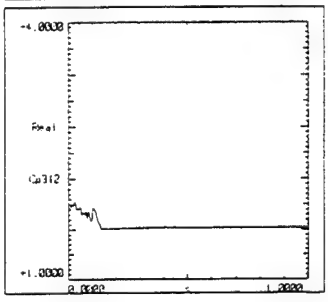
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

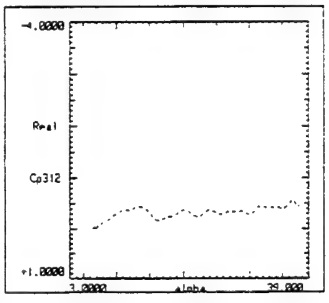
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa











DPN : 306

full (1-cos) input

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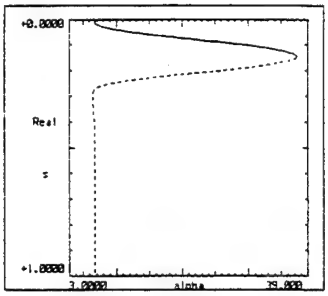

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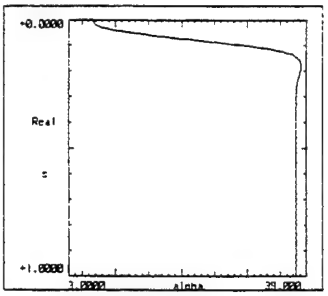
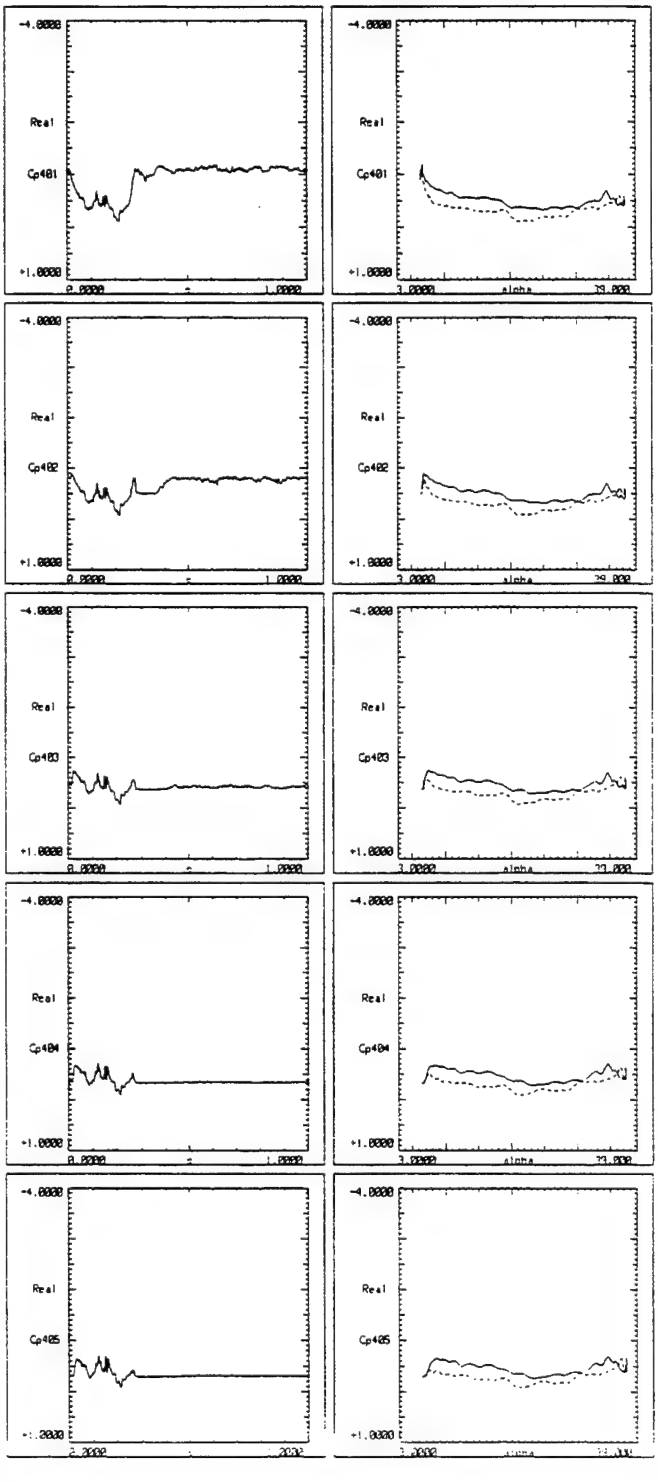
Q = 6.752 kPa



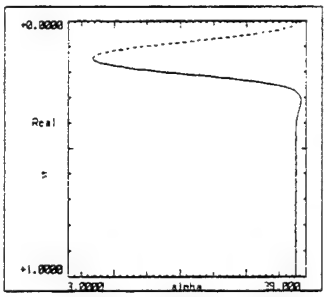


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half cos input

alpha = 22.063 deg
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Mach = 0.225
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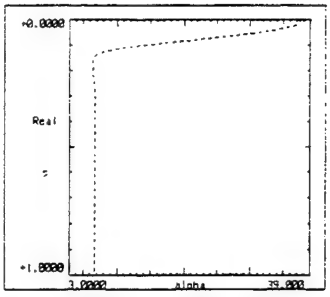
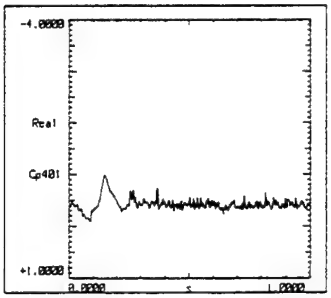
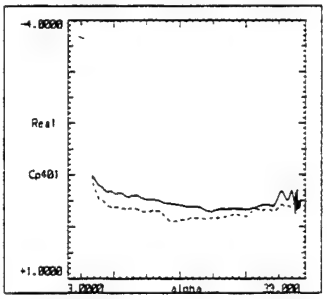
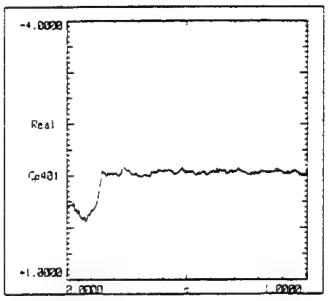
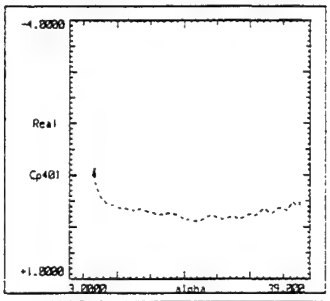
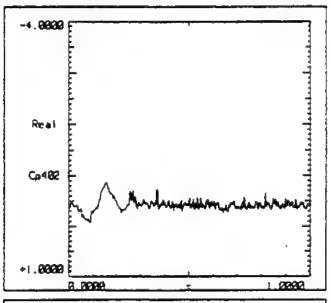


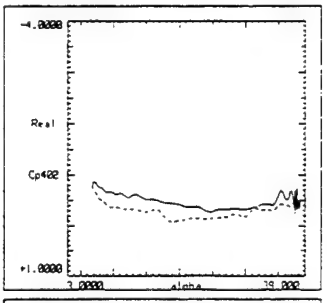


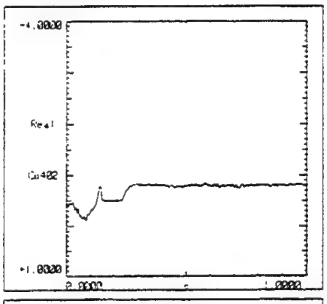


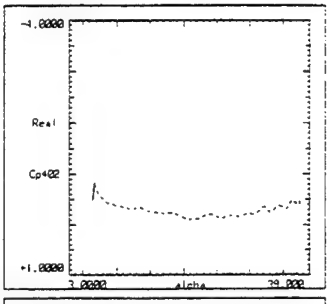


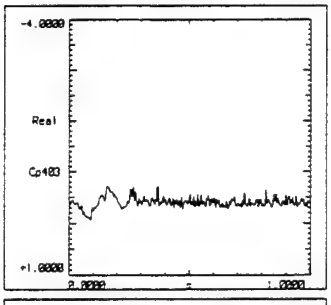


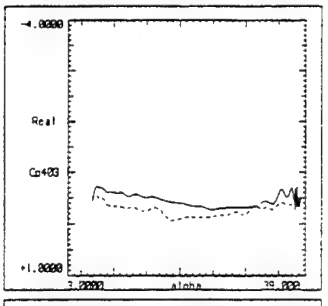


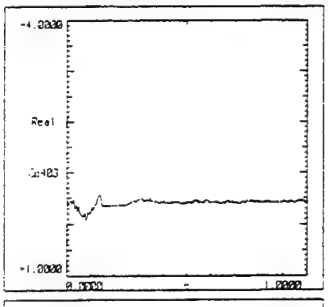


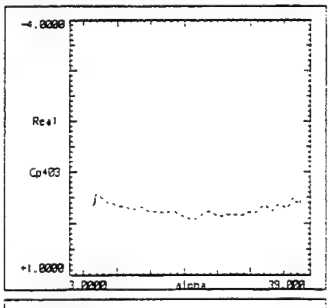


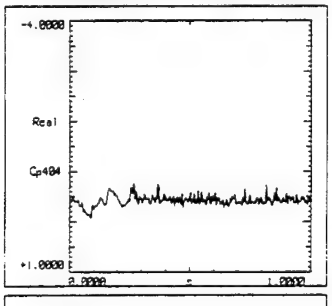


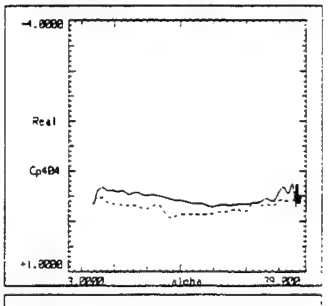


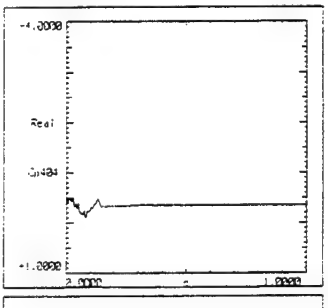


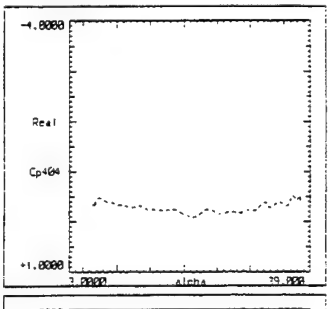


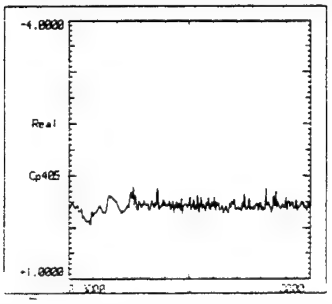


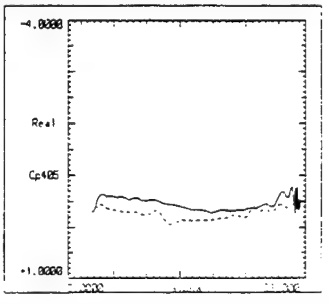


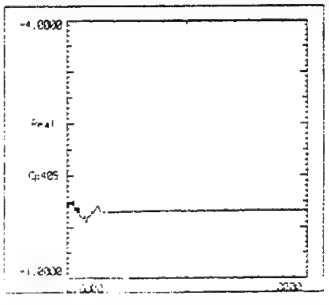


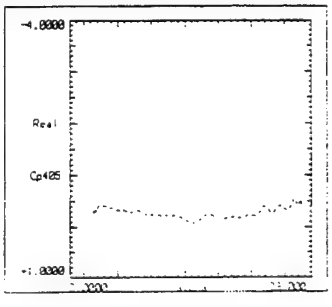










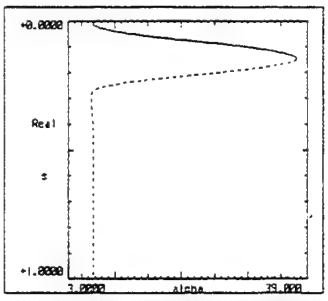


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



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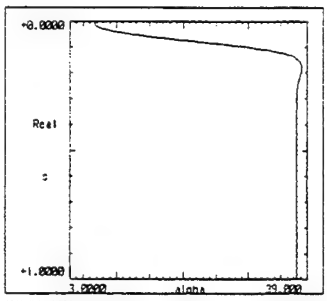

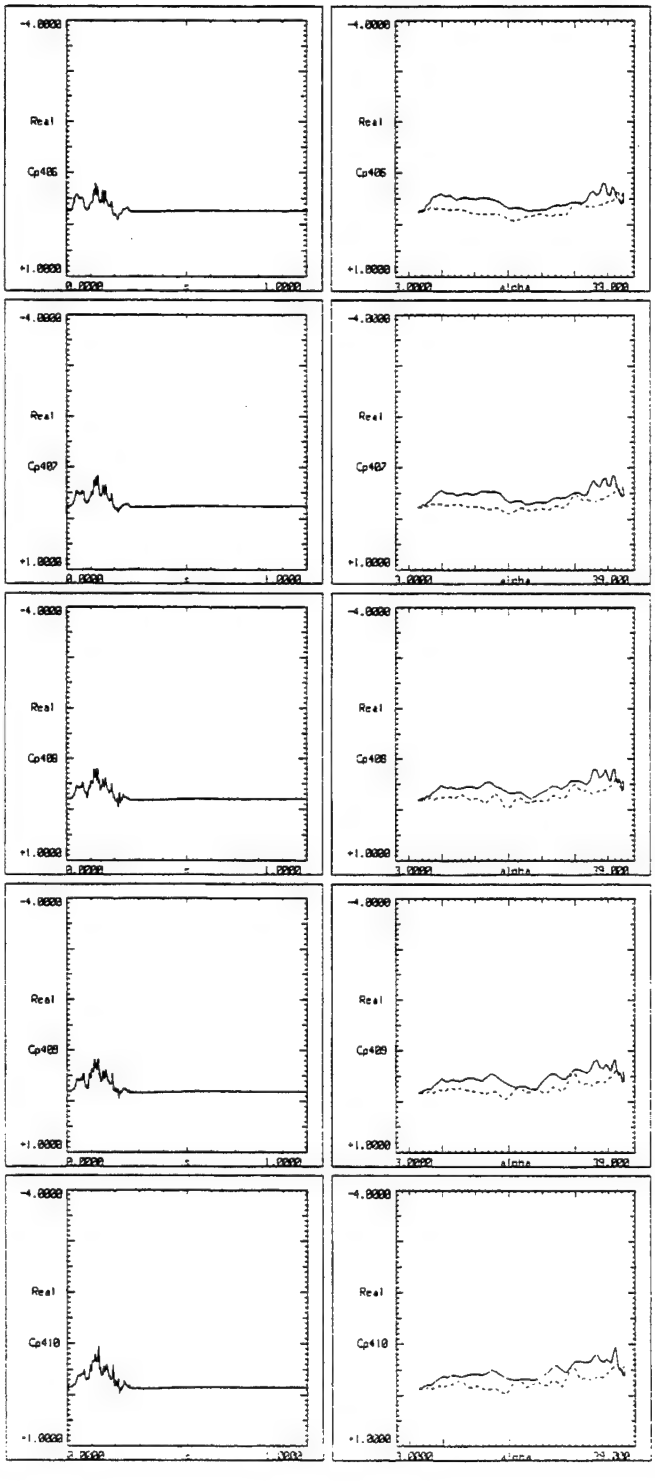

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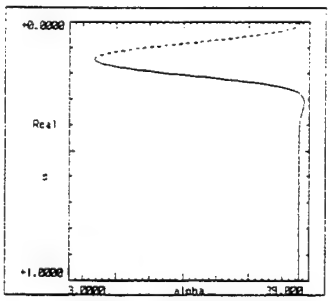

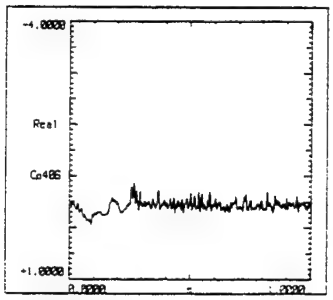

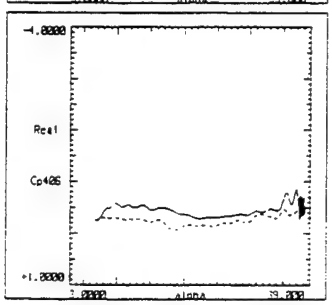

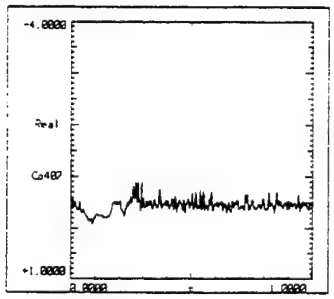

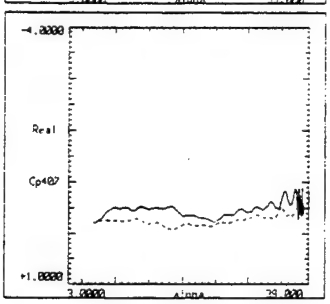

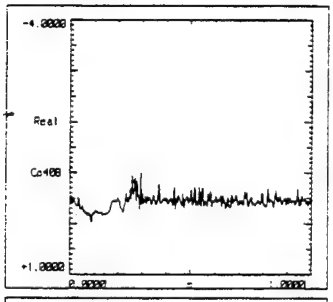

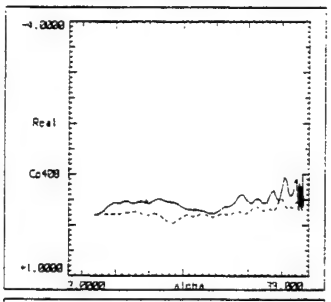

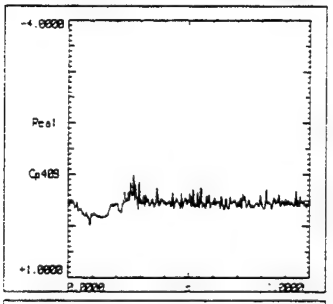

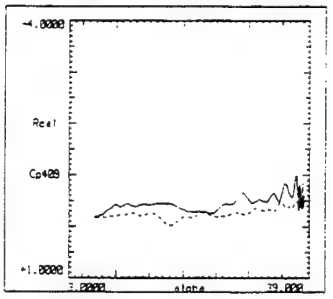

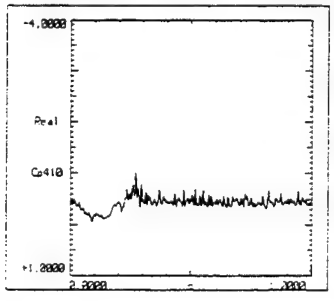

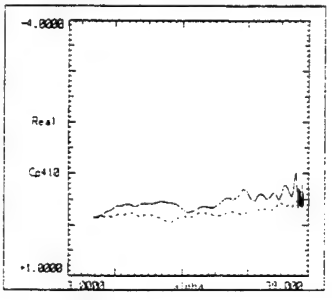

DPN : 306

half cos input

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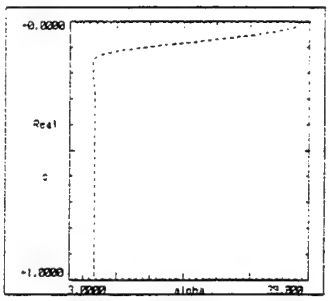
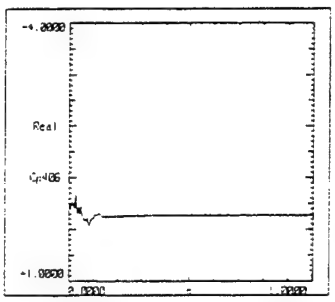
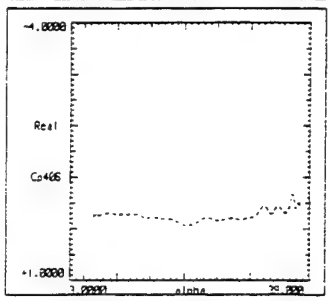
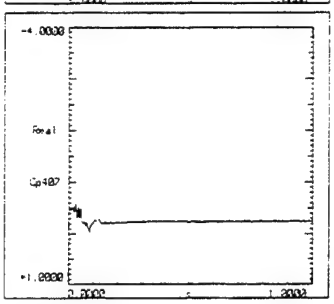
dalpha = 15.322 deg
freq = 3.800 Hz

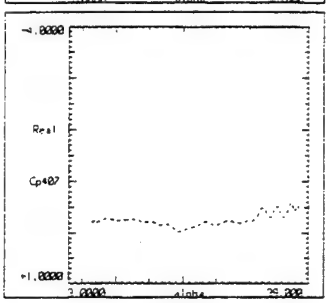
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

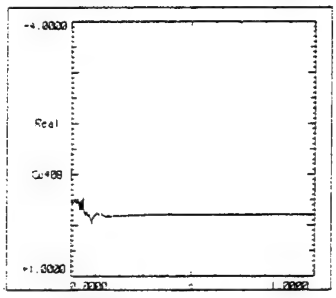


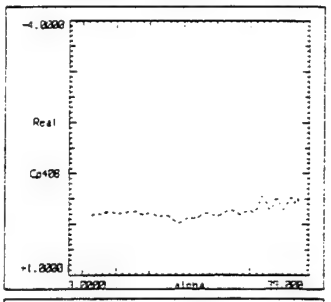


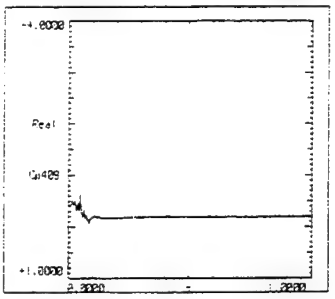


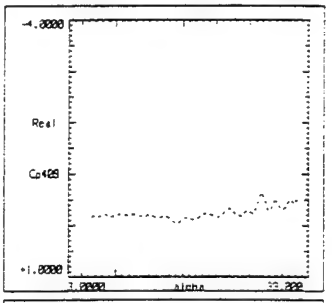


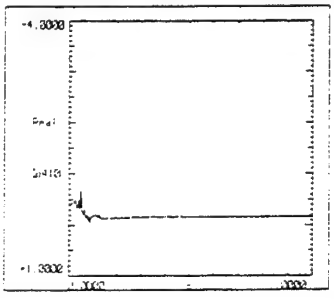


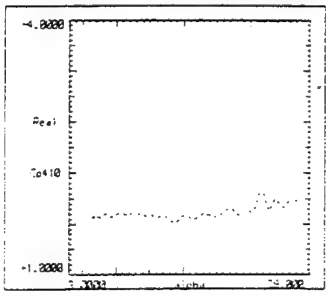












DPN : 306

full (1-cos) input

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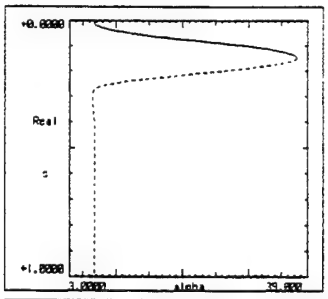
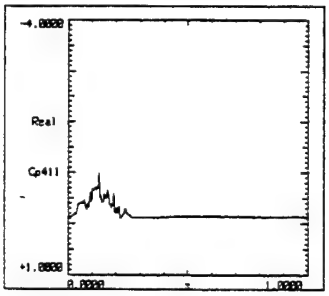
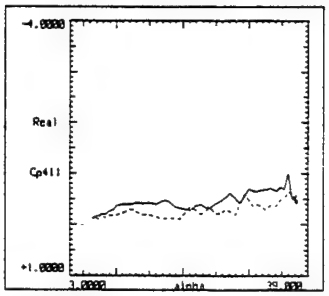
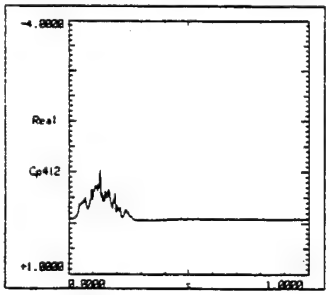
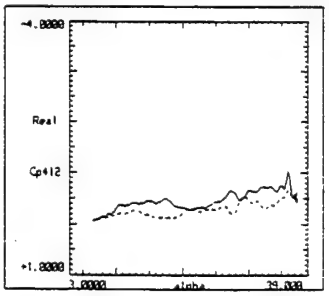
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa











DPN : 306

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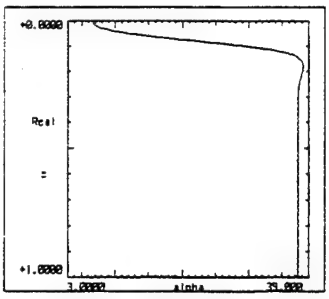

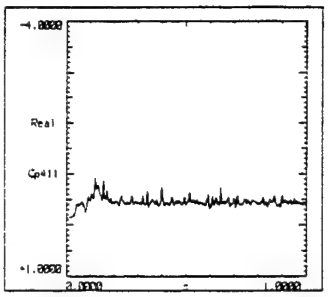

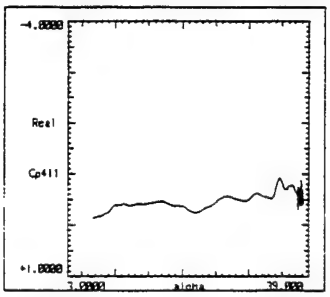

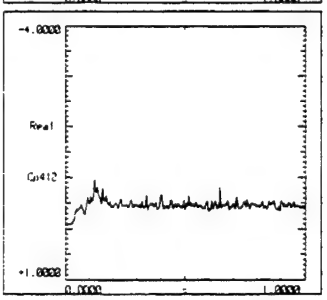

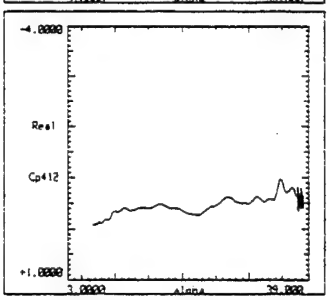

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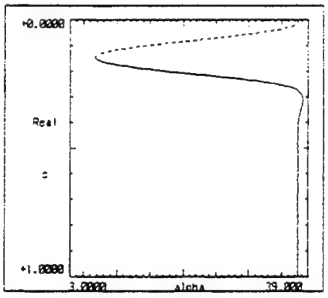
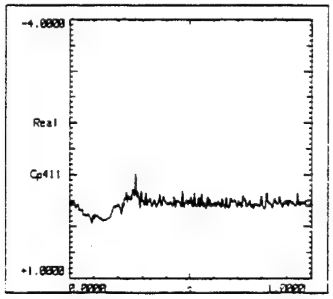
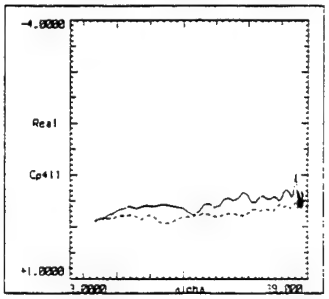
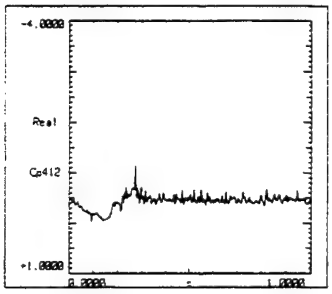
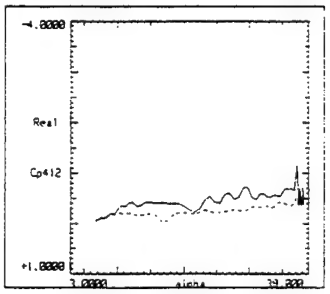
Re^-6 = 8.046
Q = 6.752 kPa









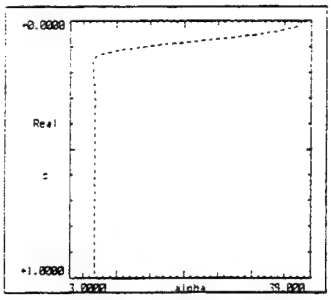


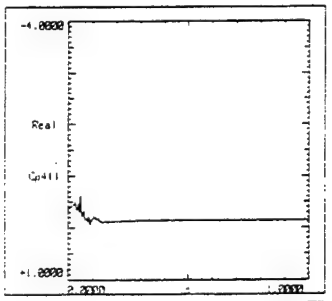
DPN : 306

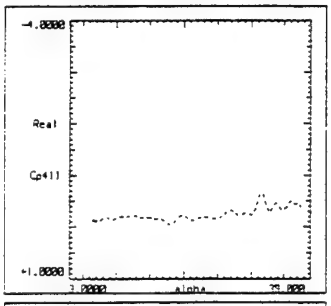
half cos input

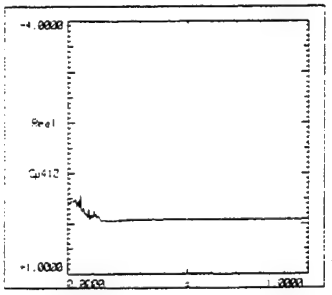
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

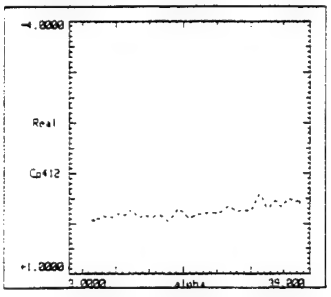
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









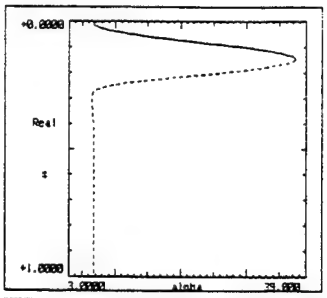


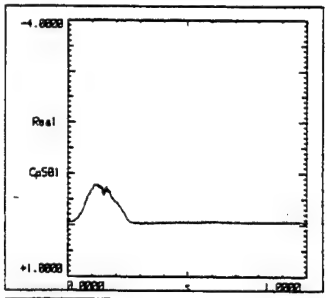
DPN : 306

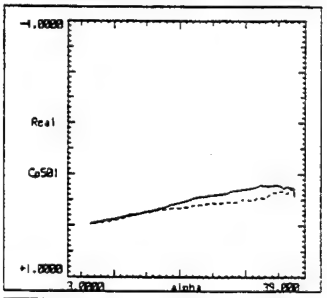
full (1-cos) input

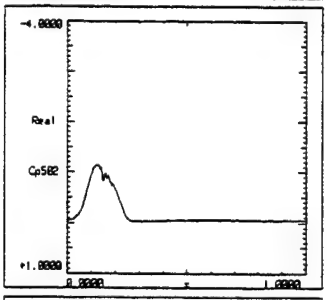
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

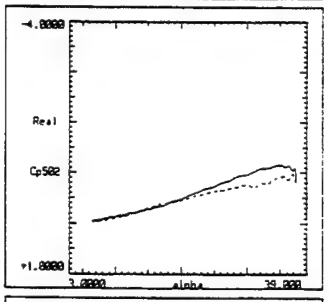
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

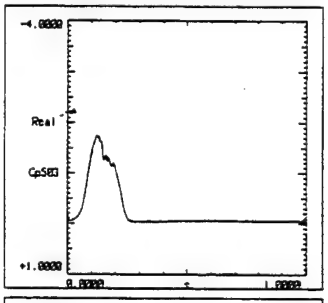


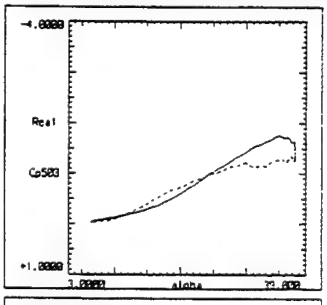


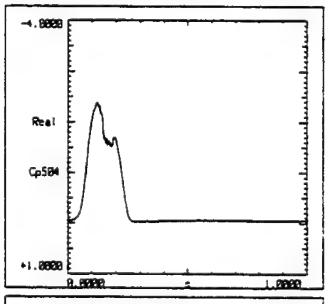


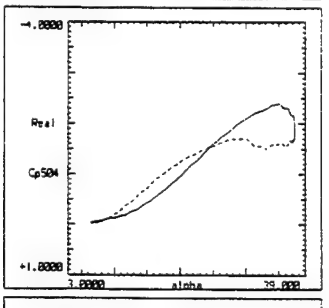


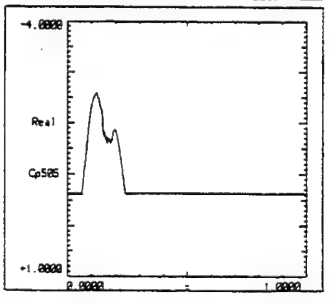


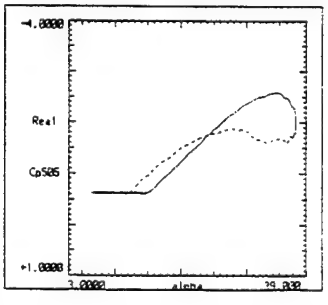










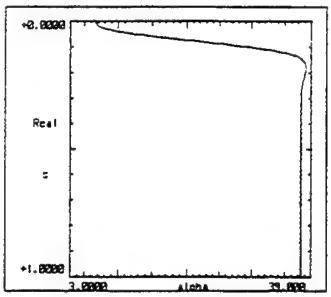


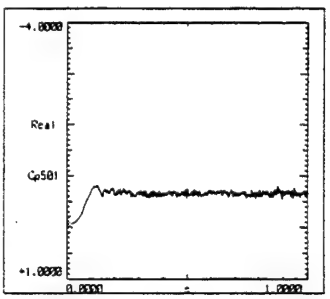
DPN : 306

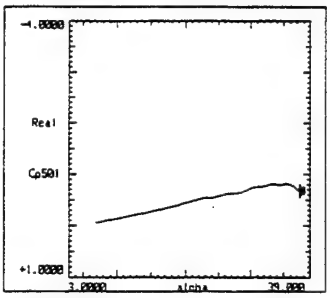
half (1-cos) input

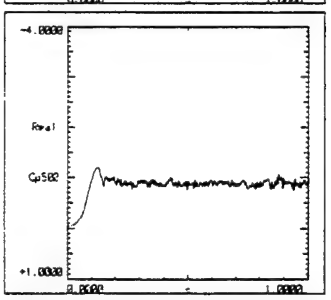
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

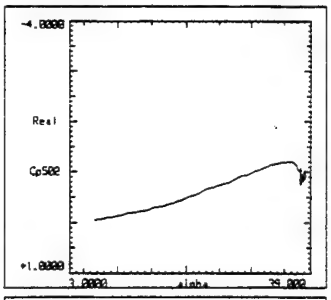
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

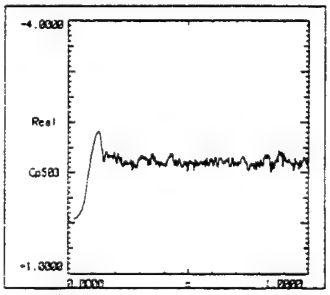


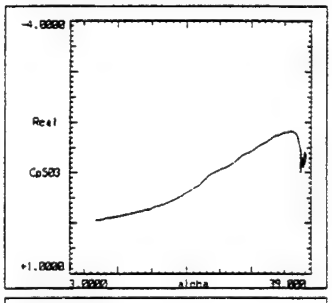


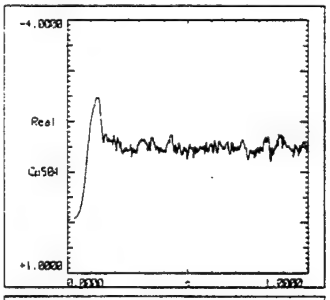


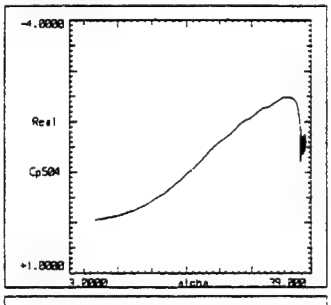


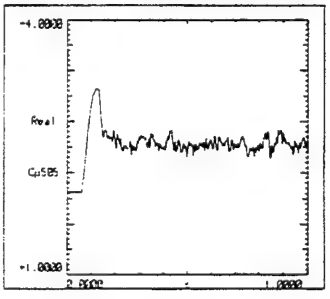


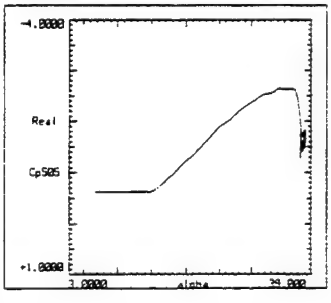










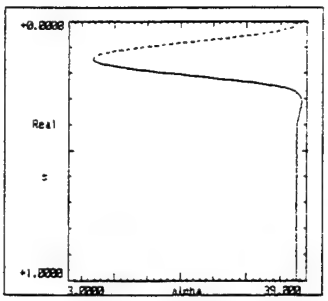


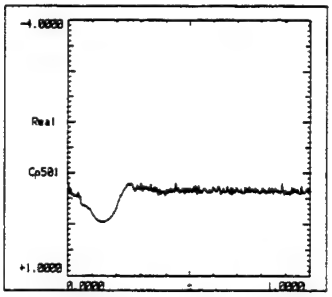
DPN : 306

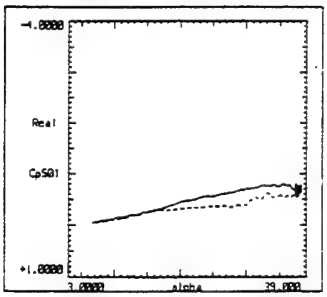
full cos input

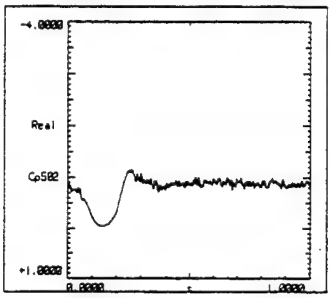
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

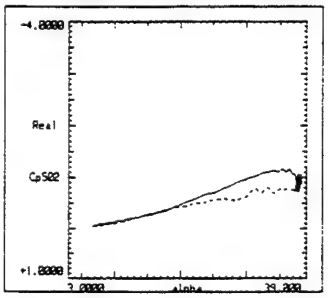
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

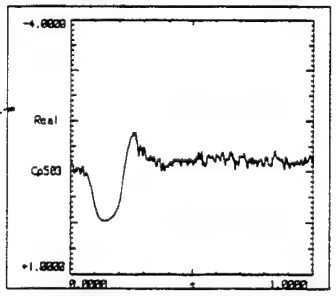


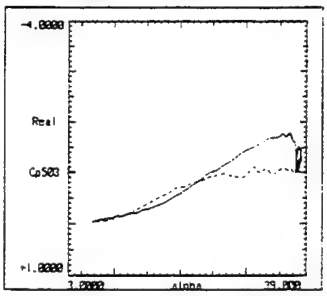


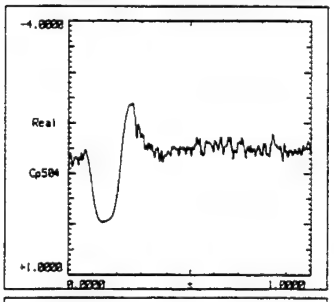


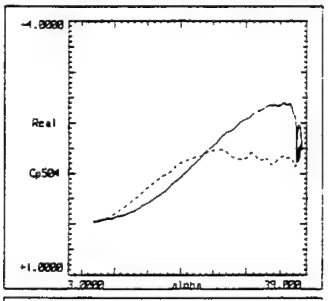


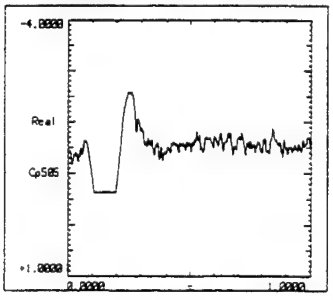


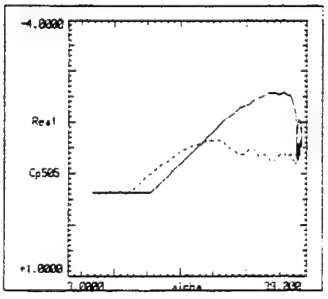










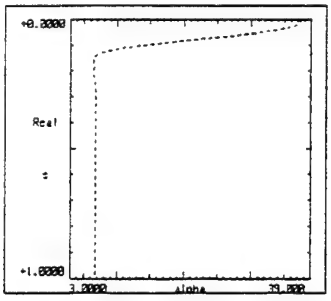


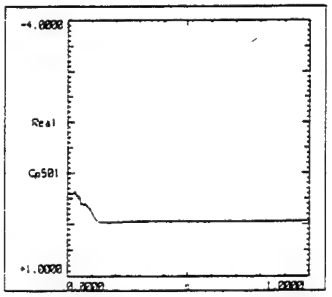
DPN : 306

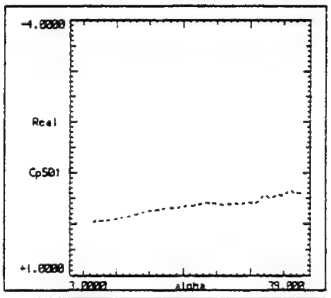
half cos input

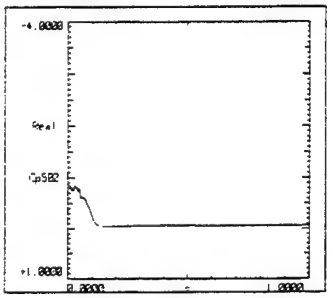
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

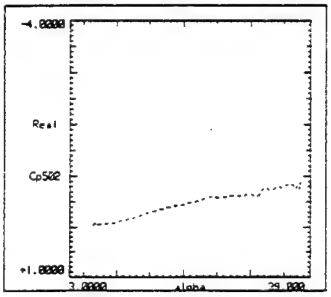
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

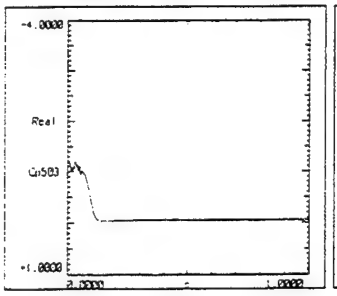


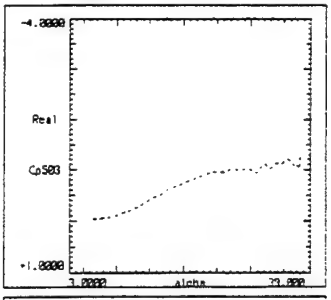


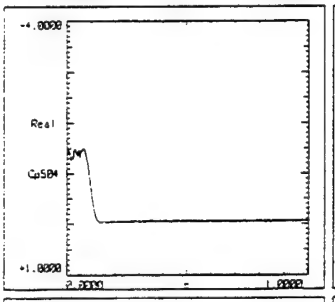


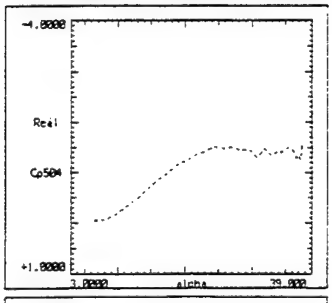


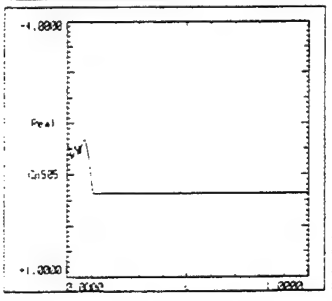


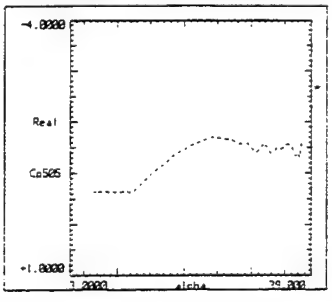










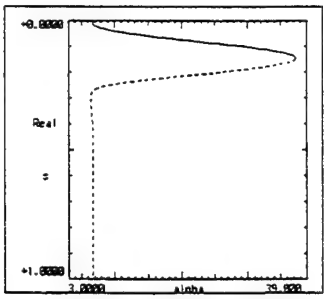


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half (1-cos) input

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Mach = 0.225
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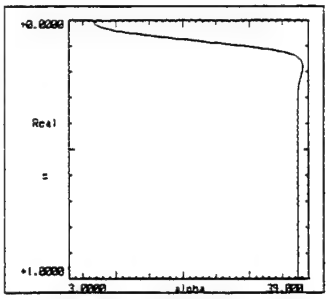
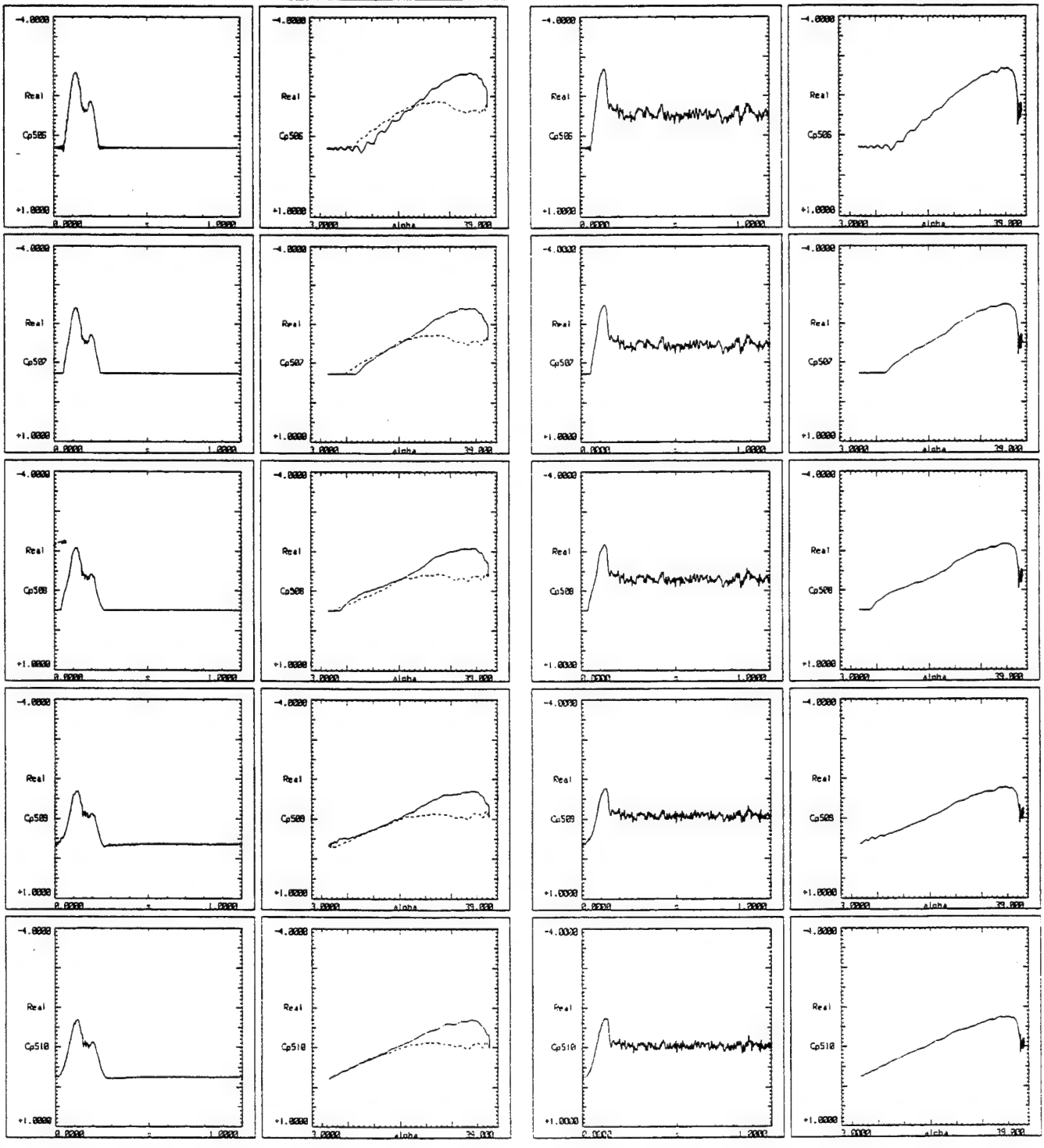


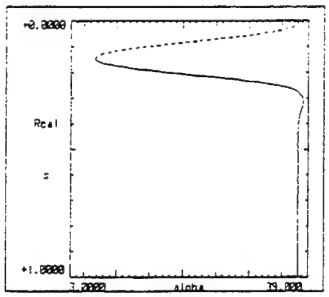


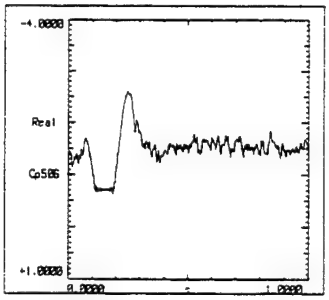
DPN : 306

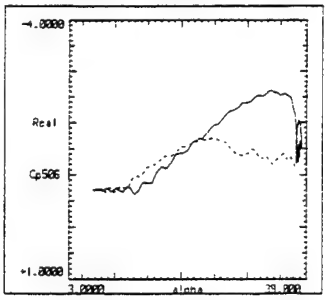
full cos input

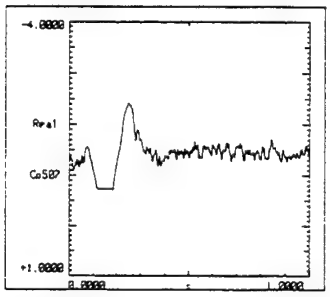
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

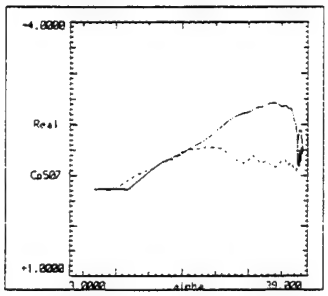
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

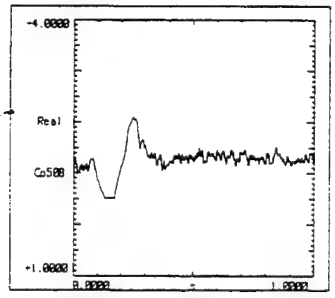


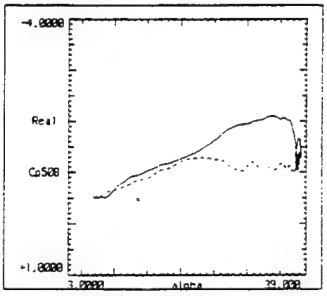


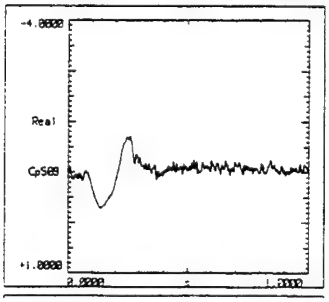


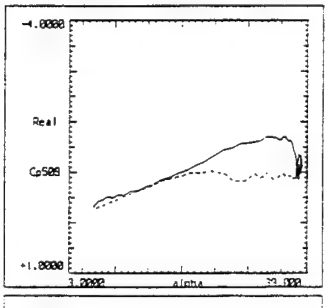


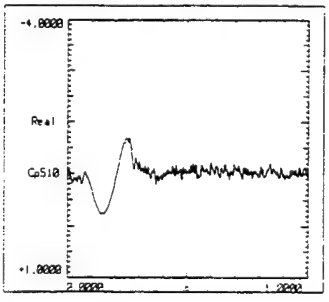


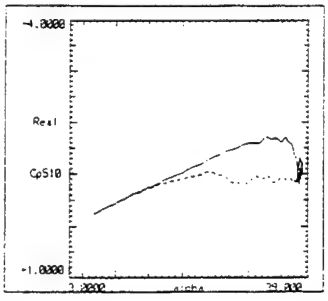










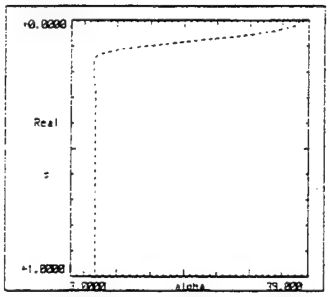


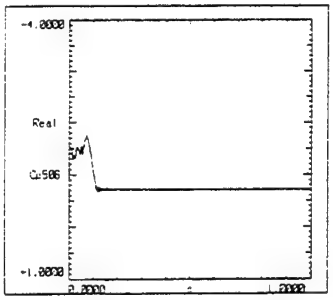
DPN : 306

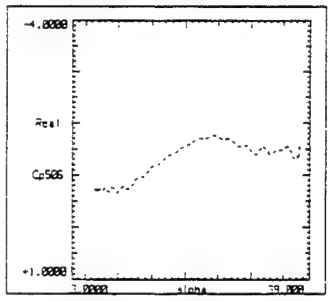
half cos input

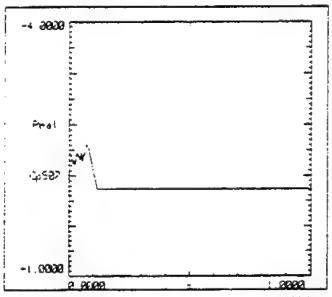
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

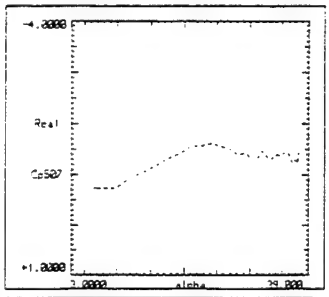
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

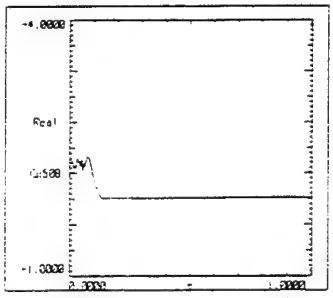


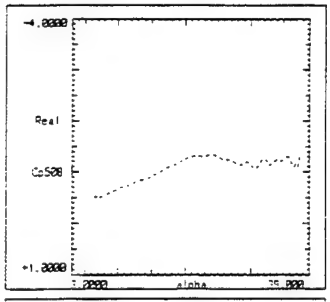


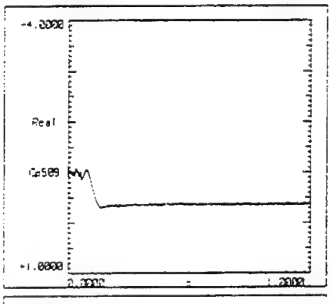


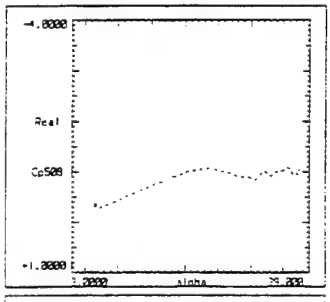


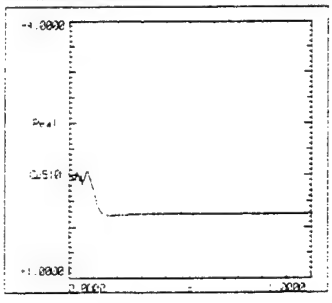


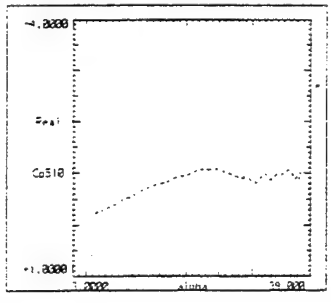










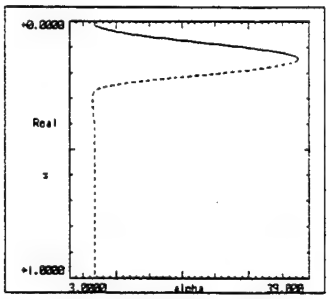


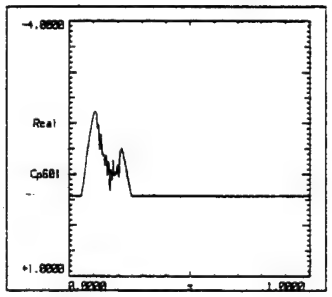
DPN : 306

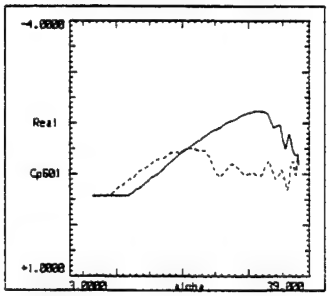
full (1-cos) input

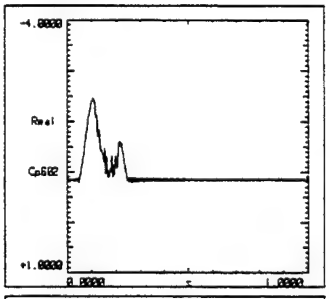
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

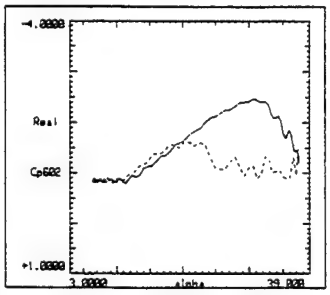
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

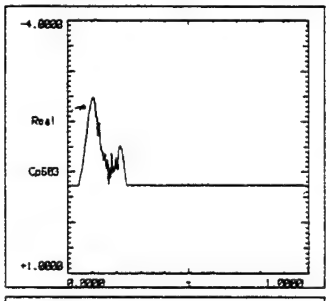


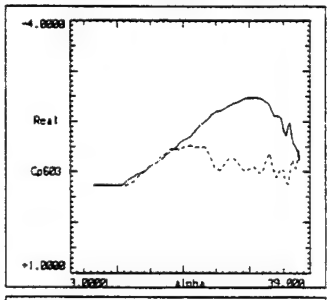


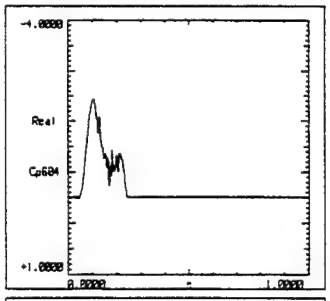


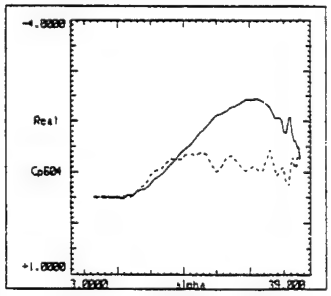


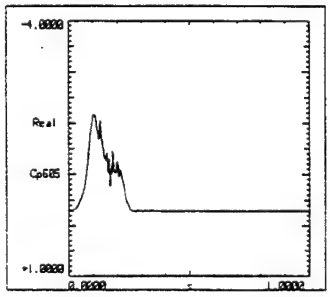


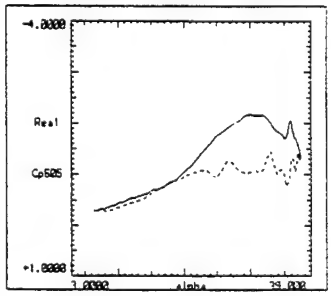










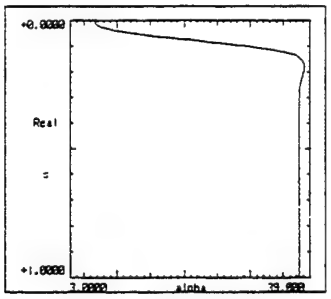


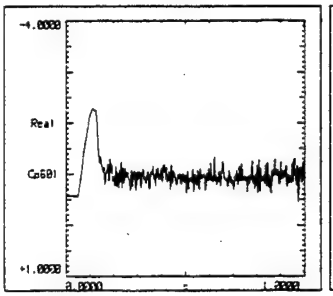
DPN : 306

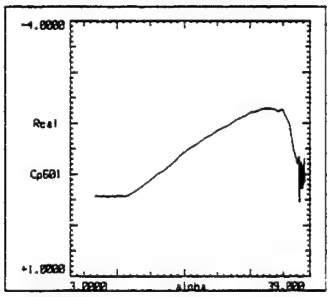
half (1-cos) input

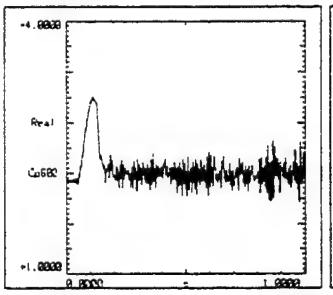
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

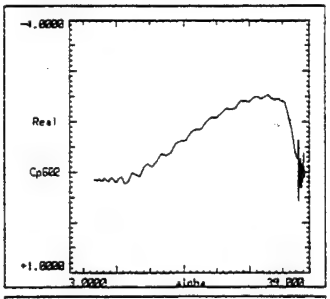
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

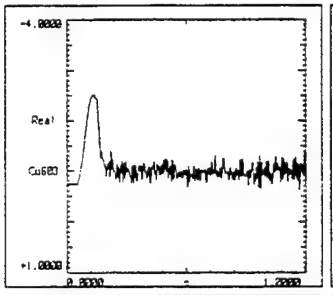


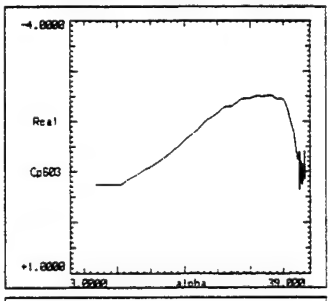


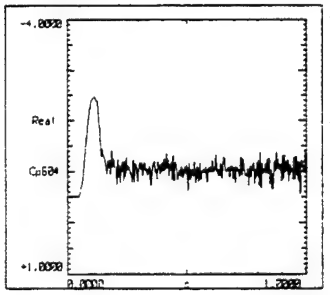


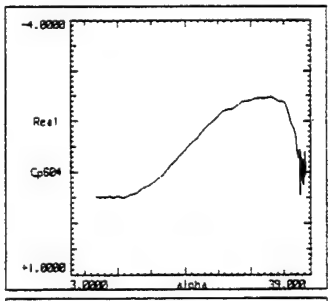


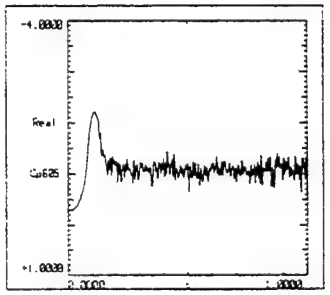


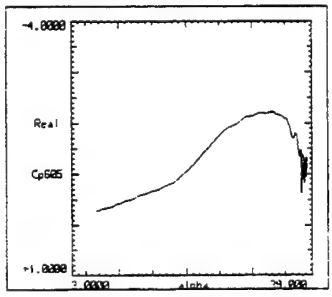










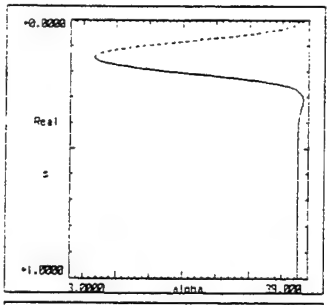


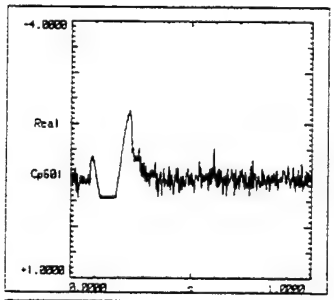
DPN : 306

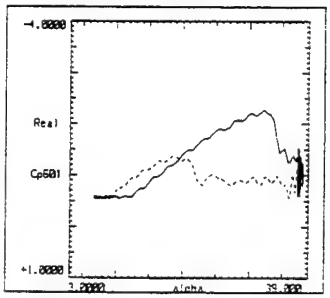
full cos input

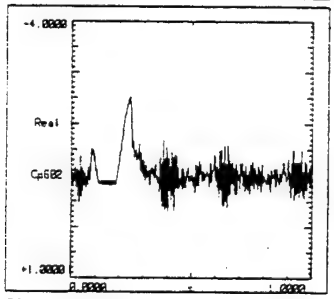
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

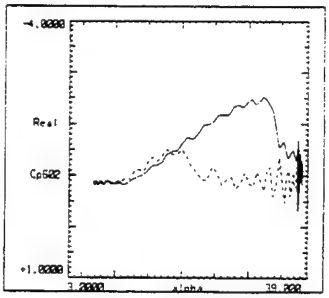
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

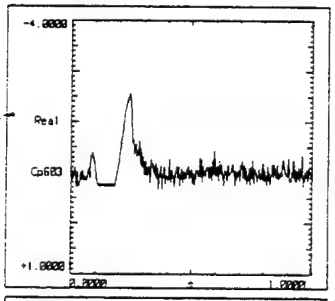


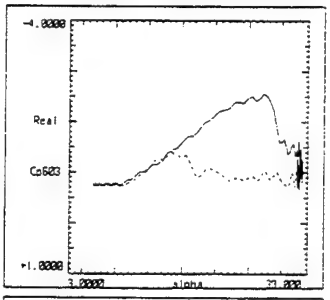


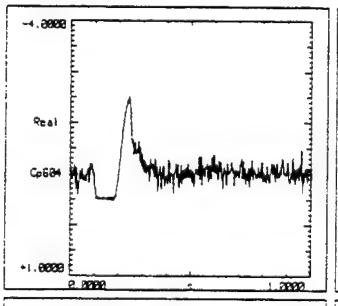


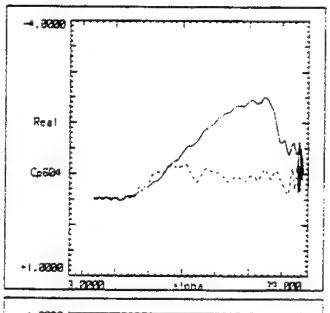


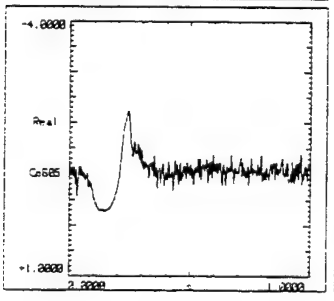


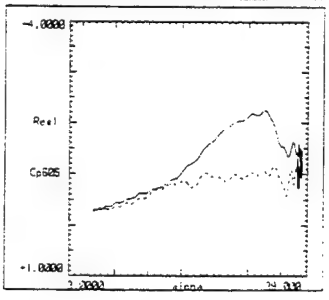










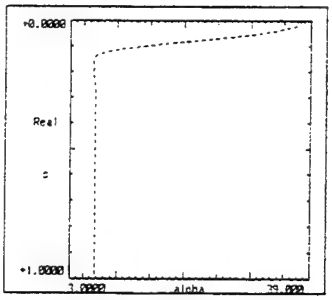


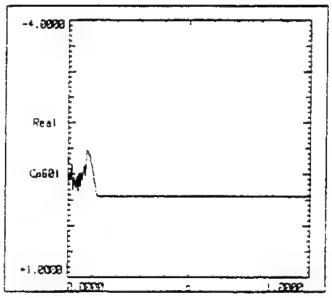
DPN : 306

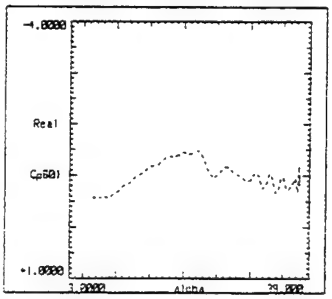
half cos input

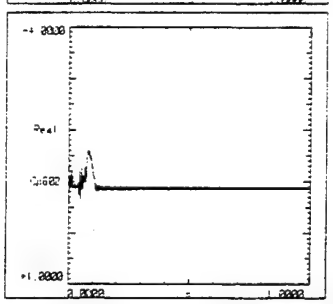
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

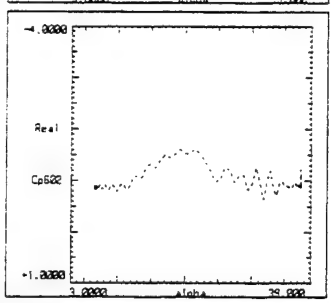
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

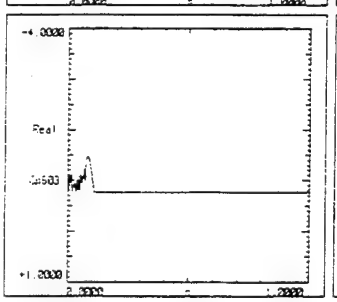


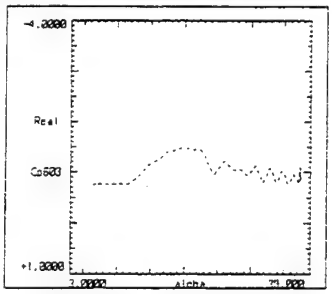


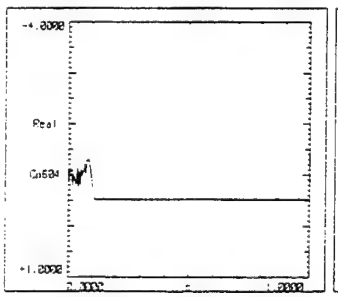


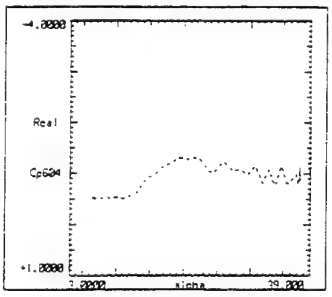


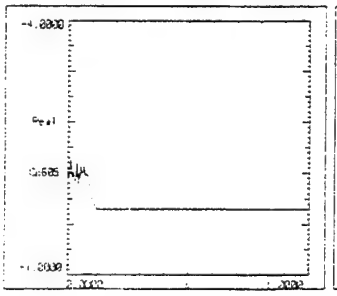


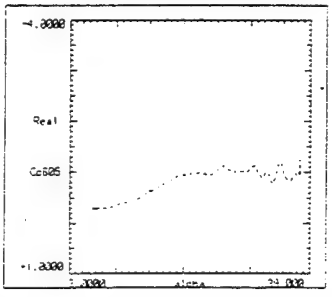










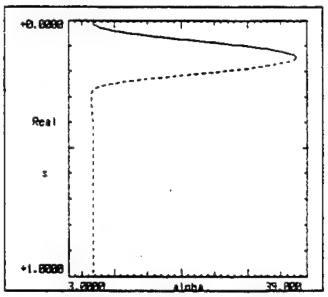


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



DPN : 306

half (1-cos) input

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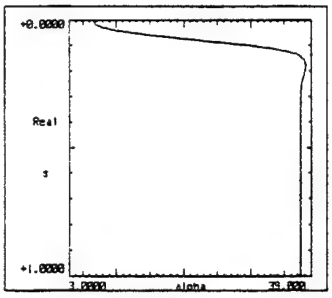
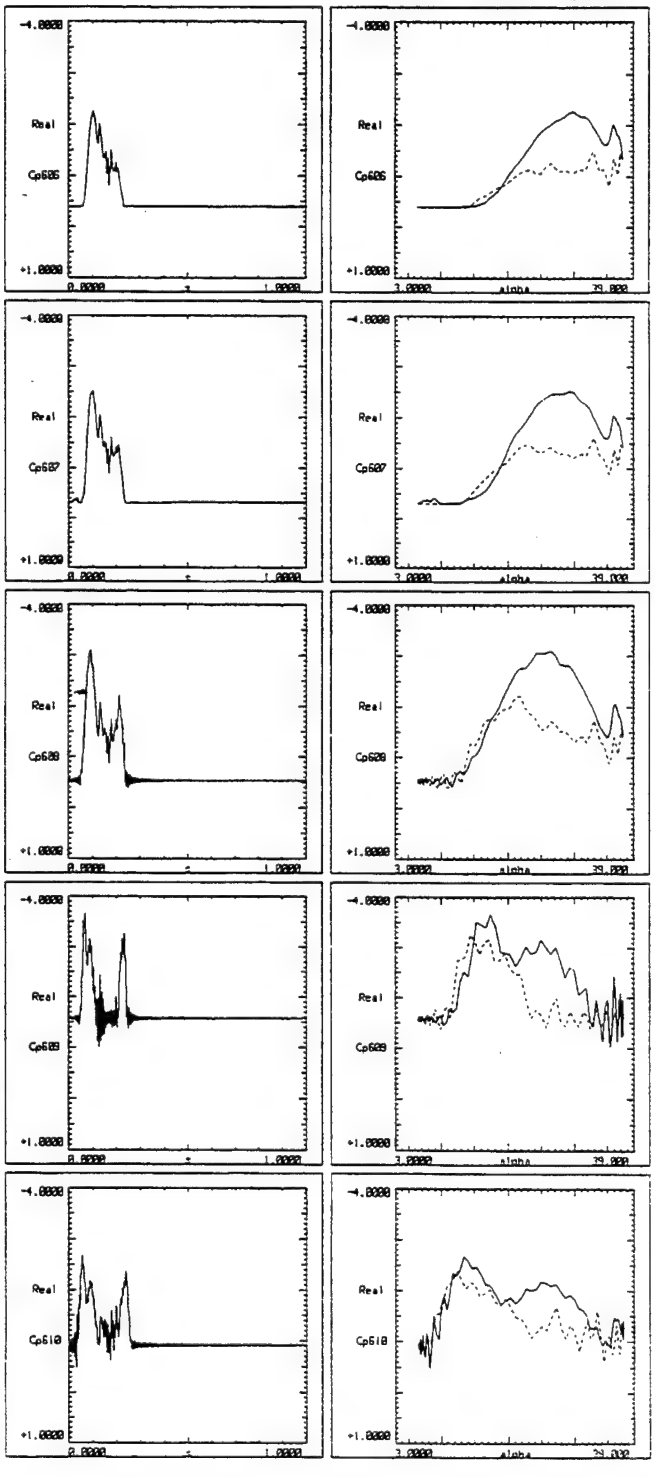
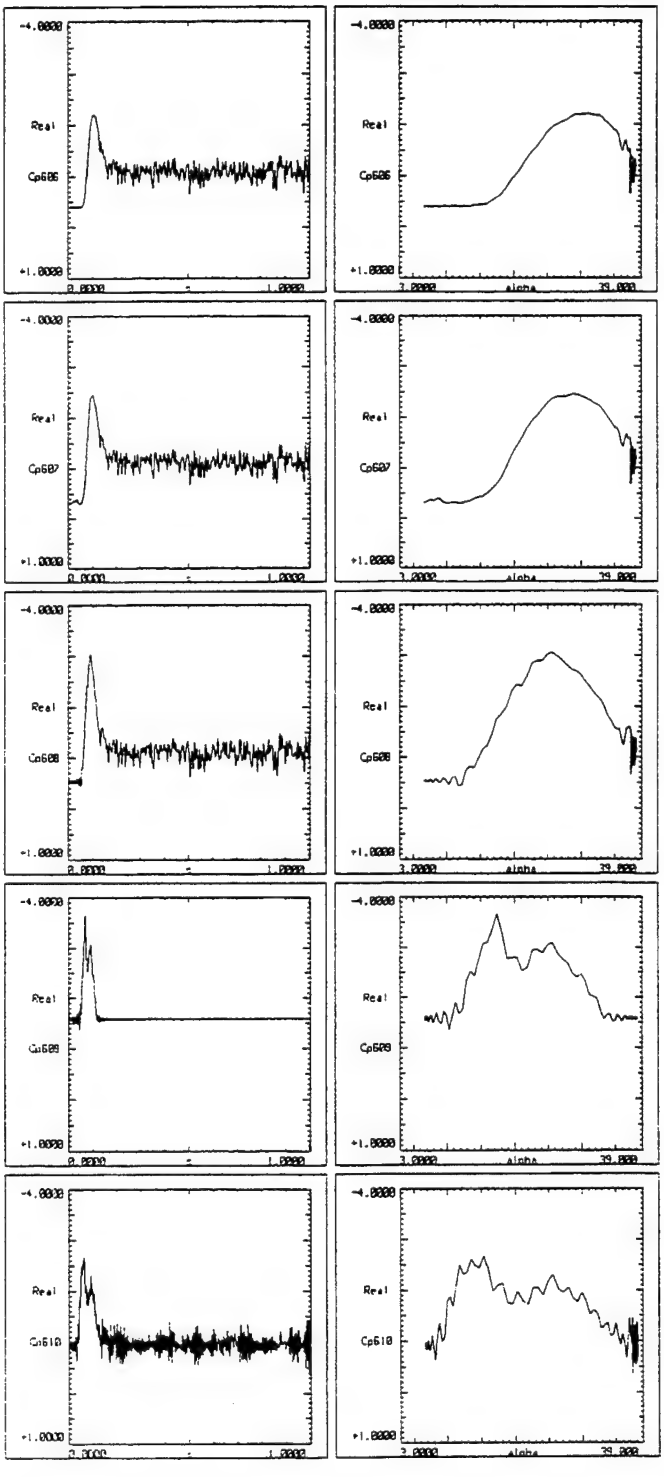




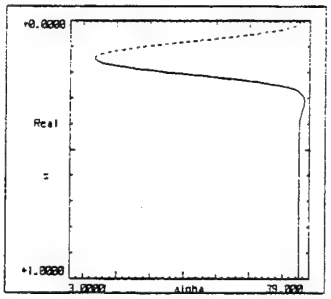


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half cos input

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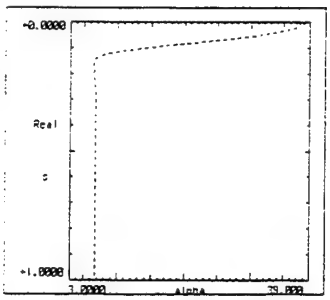
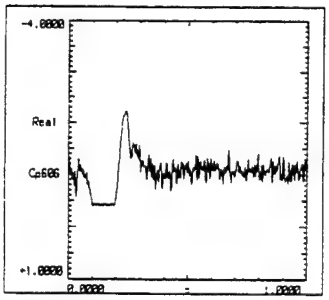
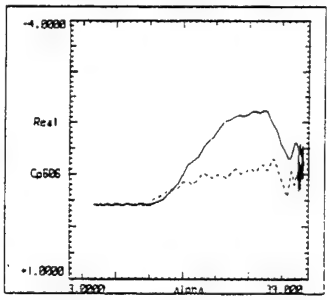
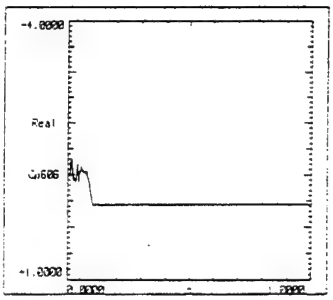
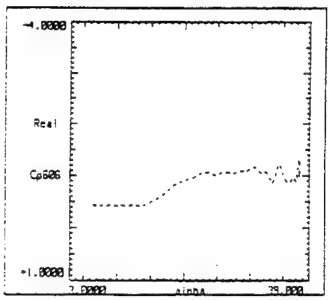
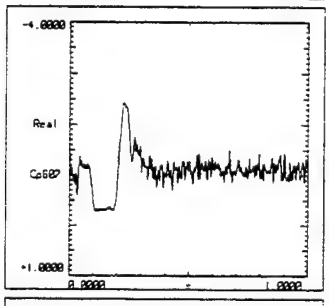


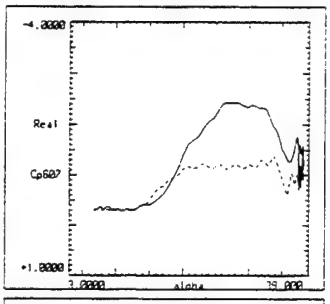


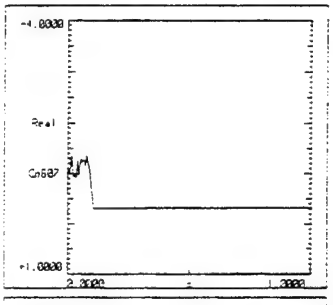


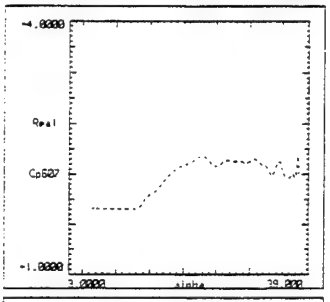


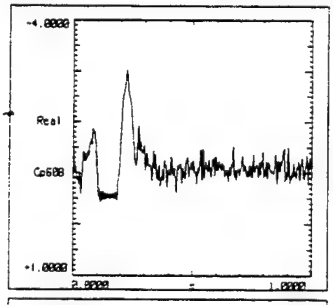


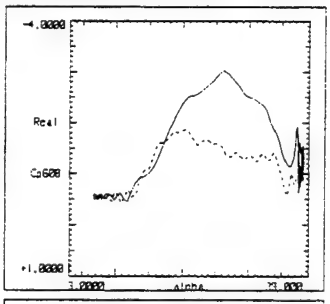


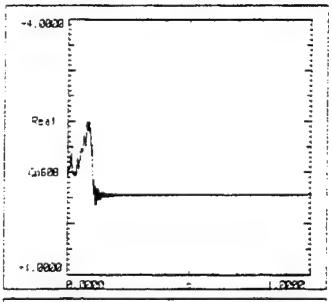


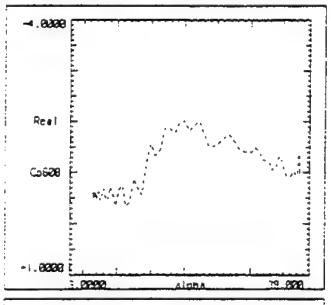


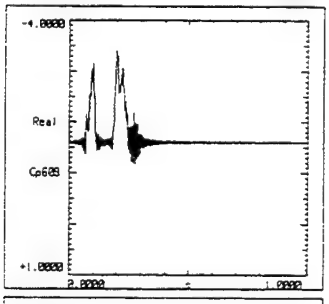


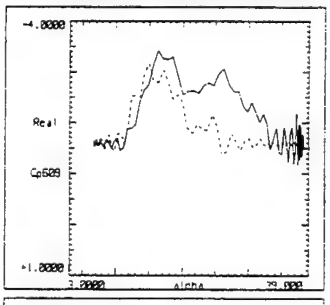


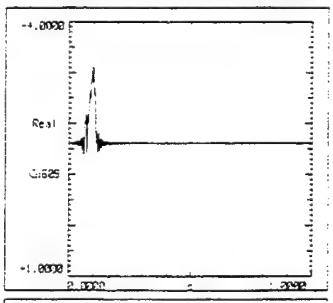


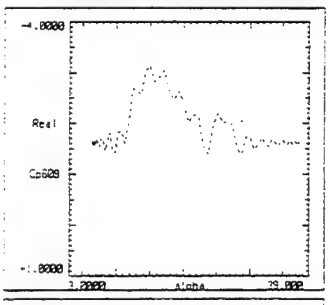


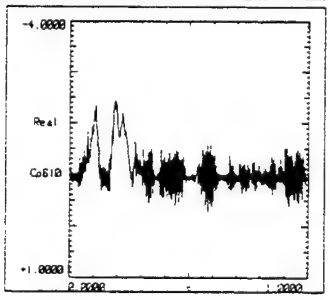


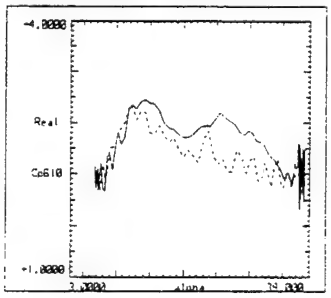


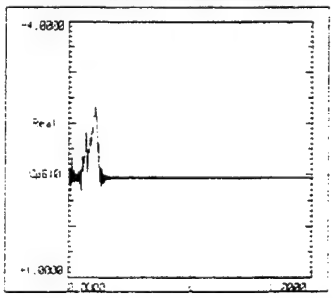


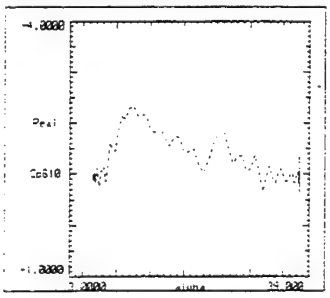










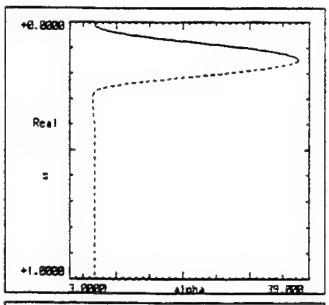


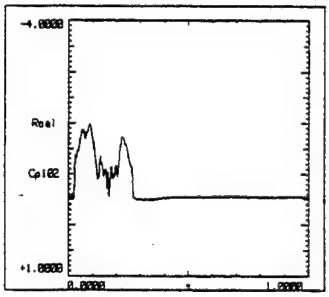
DPN : 306

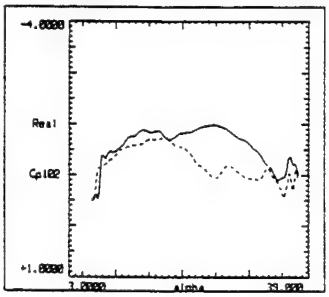
full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa





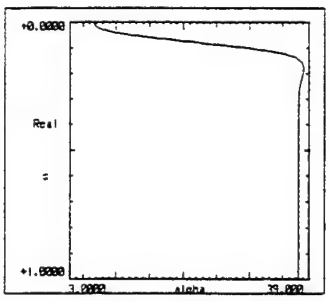


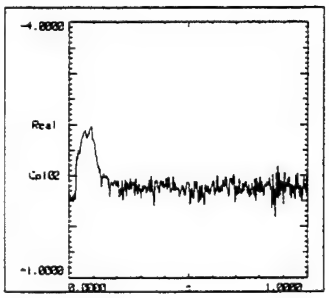
DPN : 306

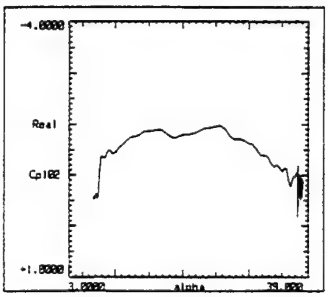
half (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa





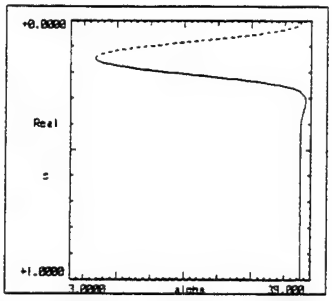


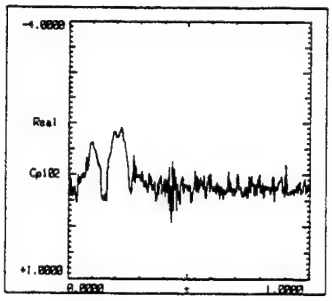
DPN : 306

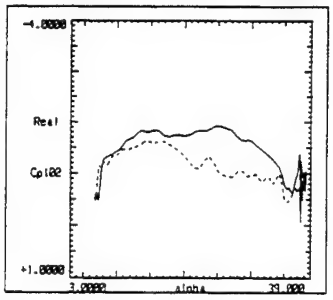
full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa







DPN : 306

half cos input

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Mach = 0.225
Re -6 = 8.046
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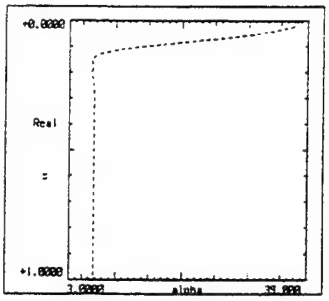

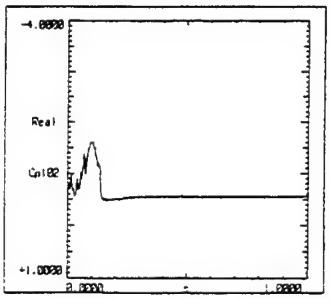

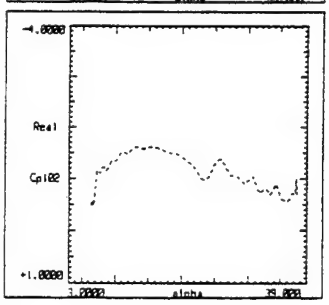

DPN : 306

full (1-cos) input

alpha = 22.063 deg
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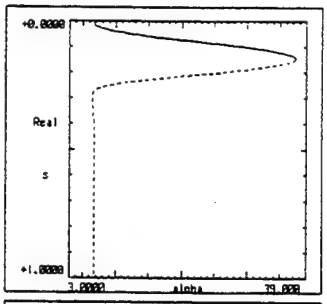
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



DPN : 306

half (1-cos) input

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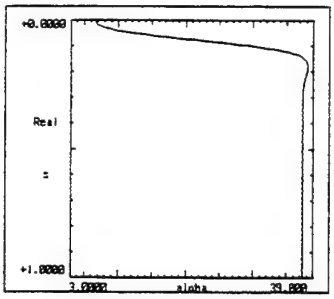
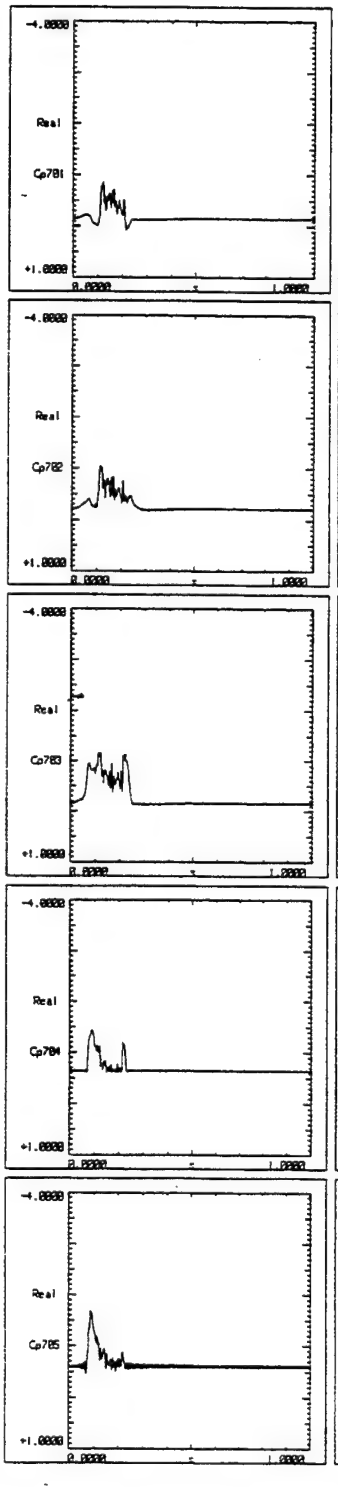
Re -6 = 8.046
Q = 6.752 kPa





DPN : 306

full cos input

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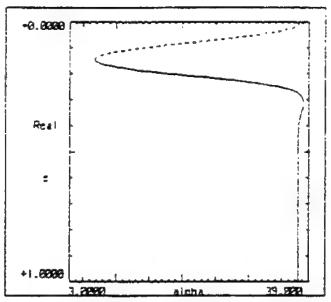

DPN : 306

half cos input

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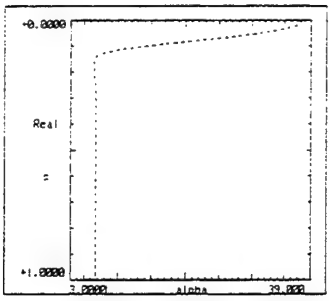

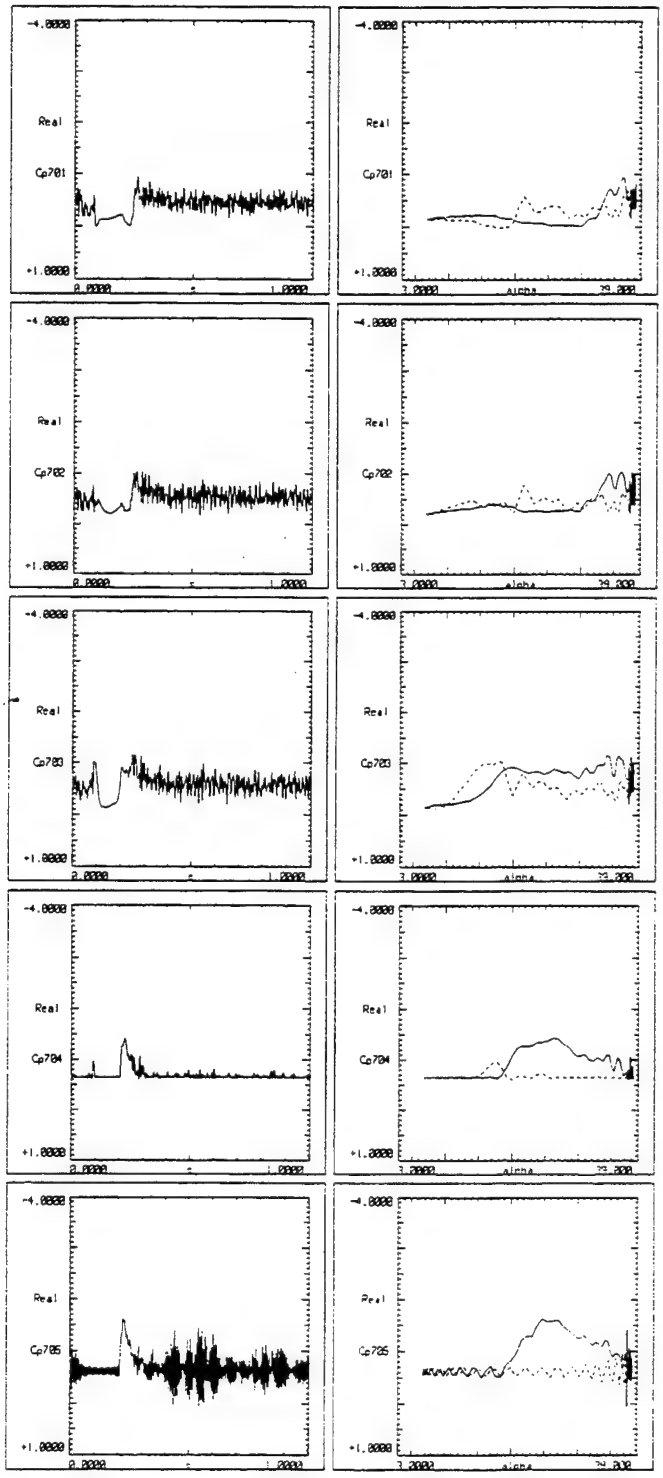

DPN : 306

full (1-cos) input

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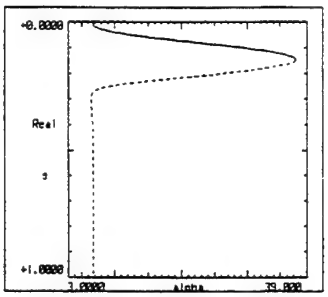

DPN : 306

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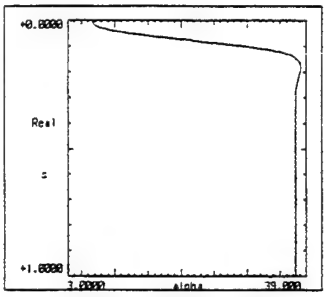
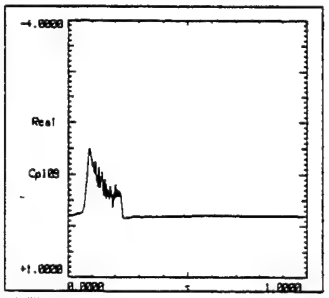
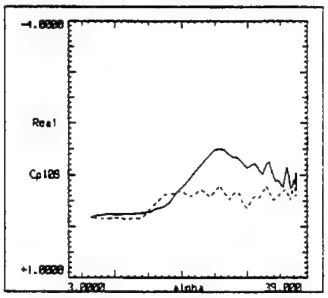
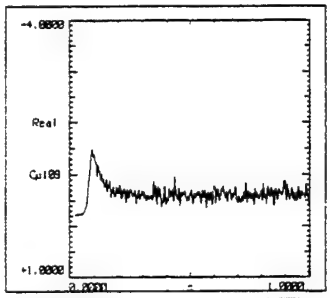
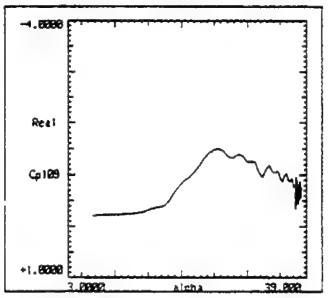
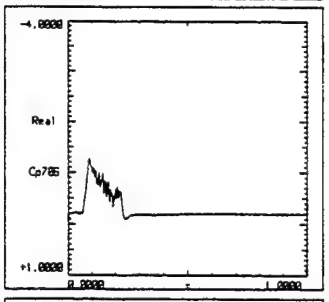


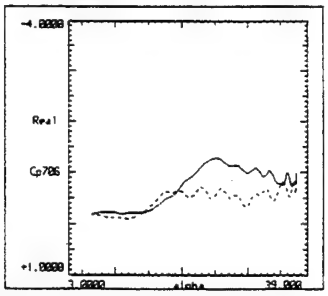


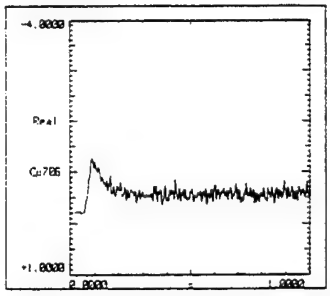


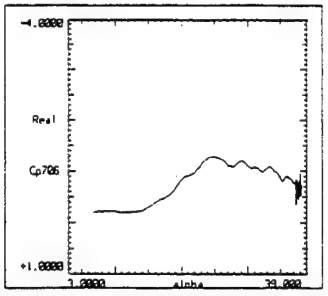


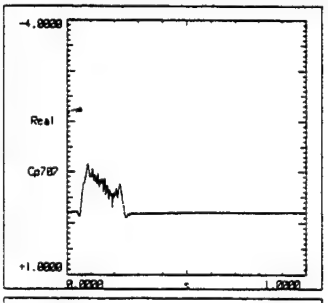


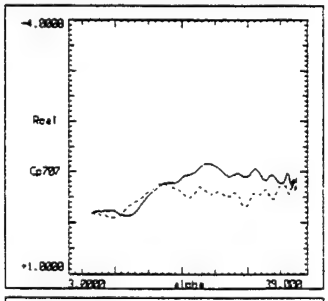


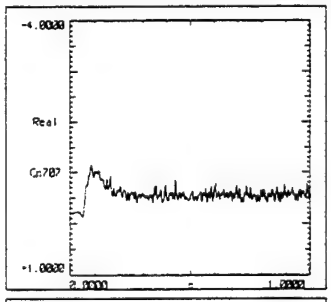


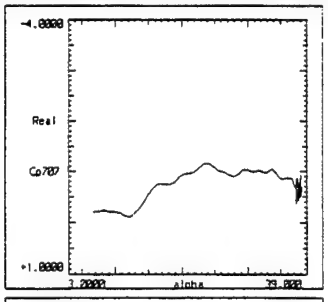


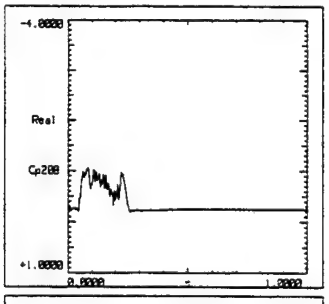


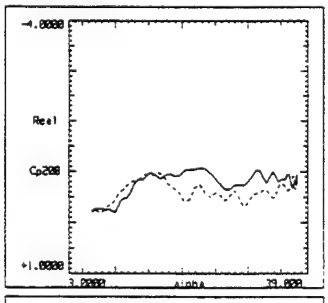


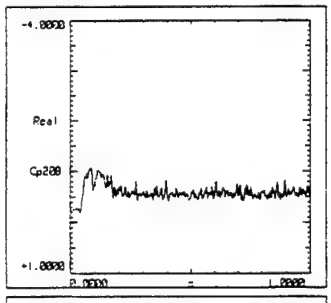


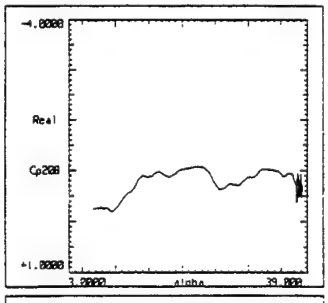


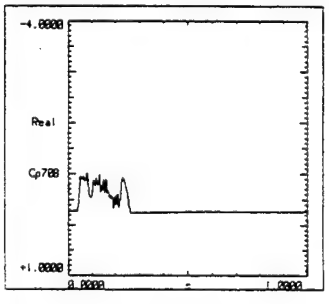


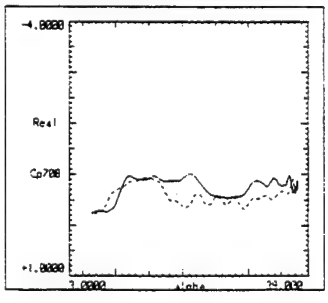


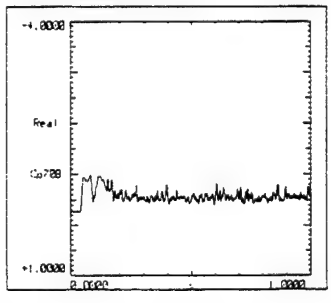


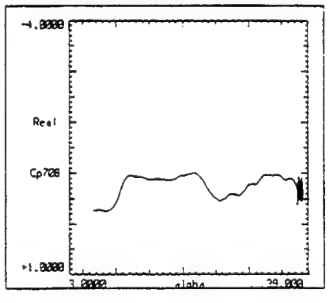










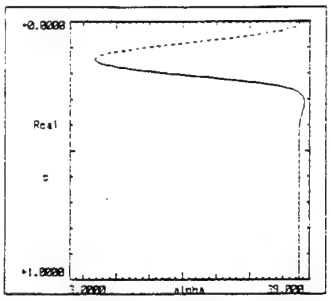


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa



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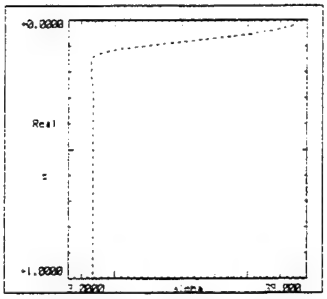

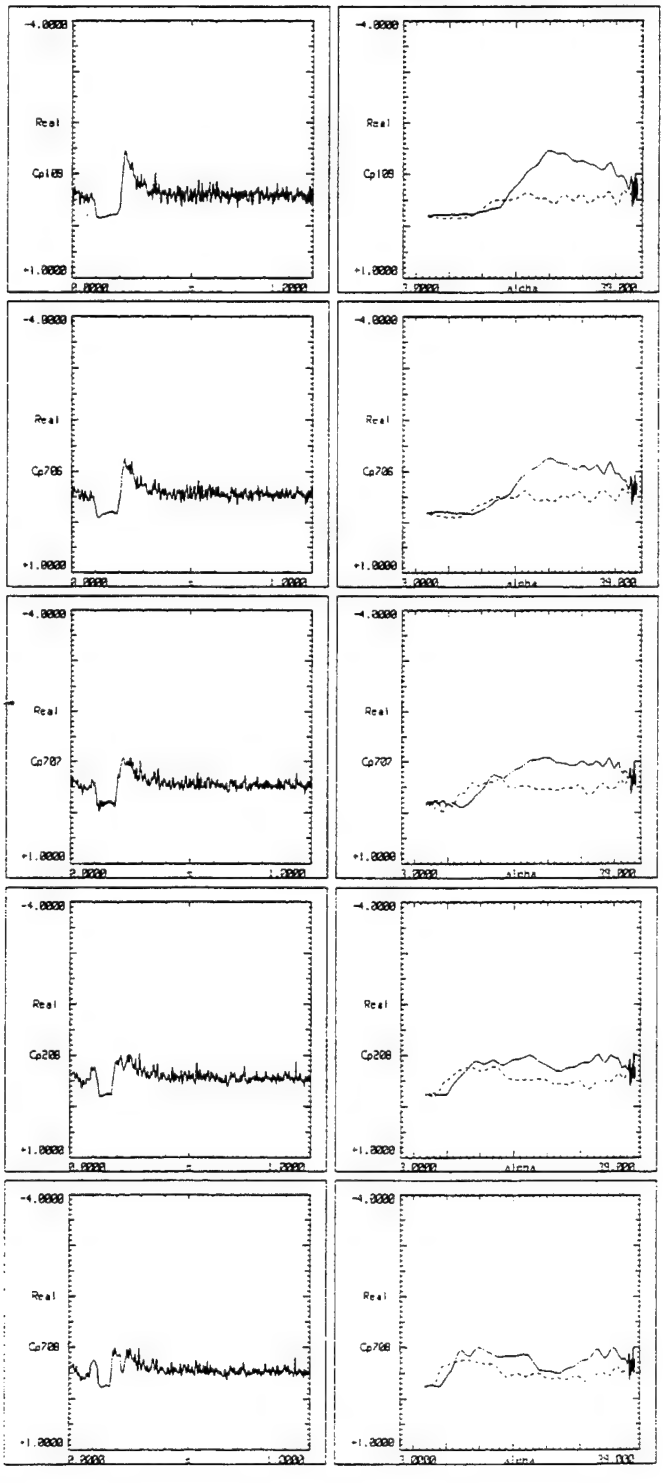

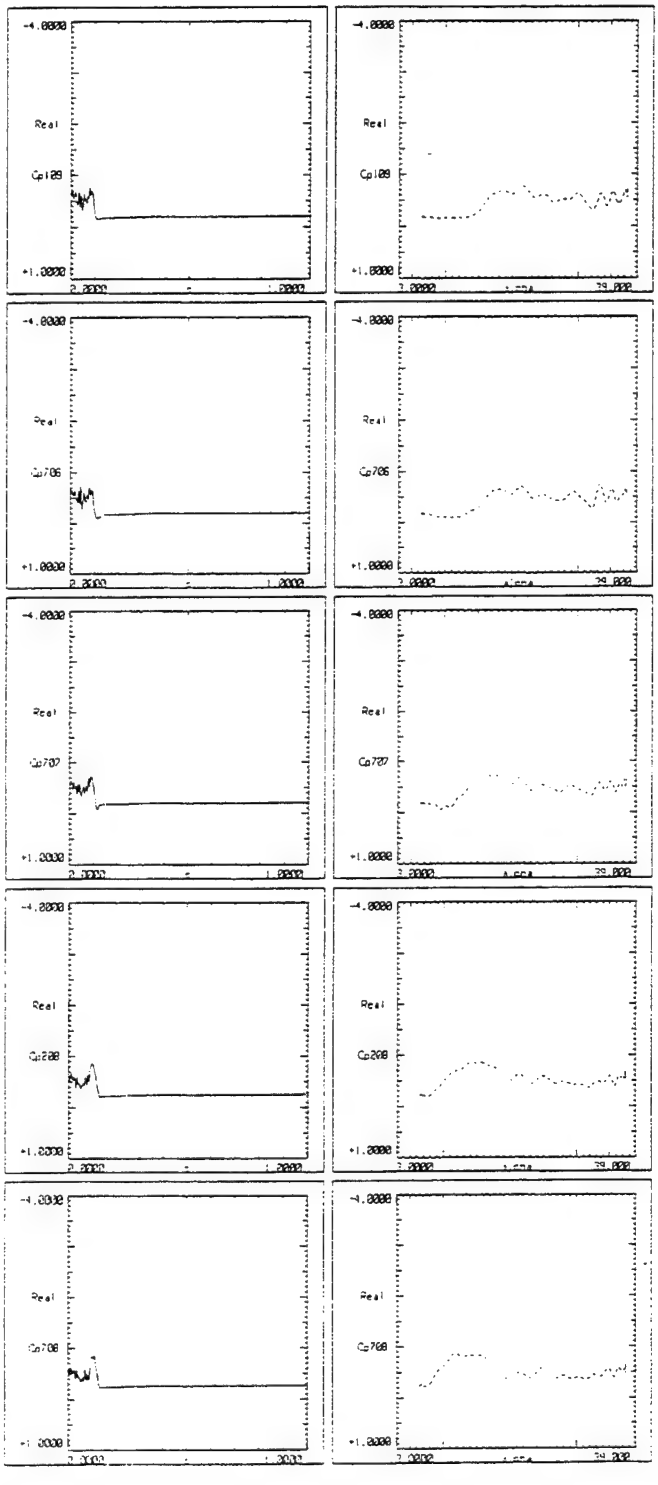

DPN : 306

full (1-cos) input

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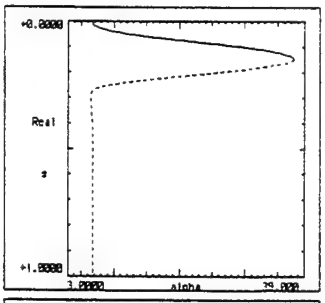
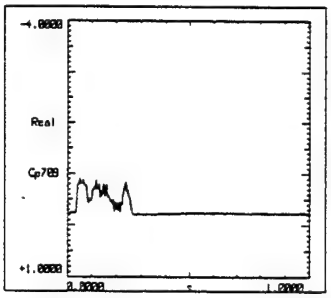
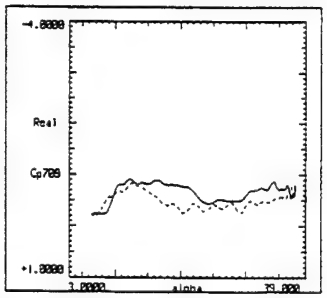
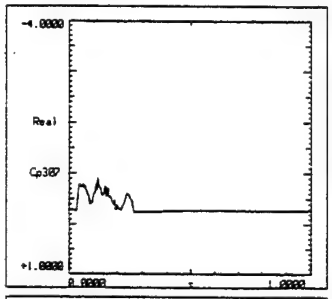
dalpha = 15.322 deg
freq = 3.800 Hz

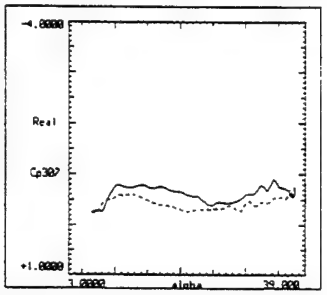
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

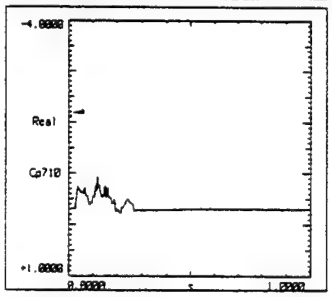


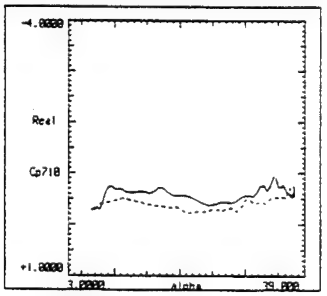


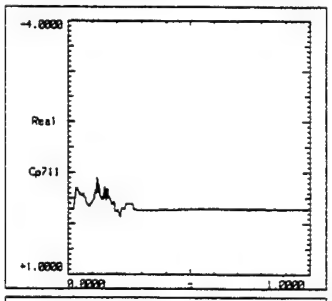


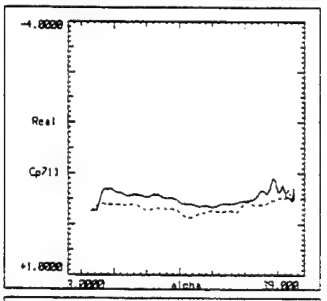


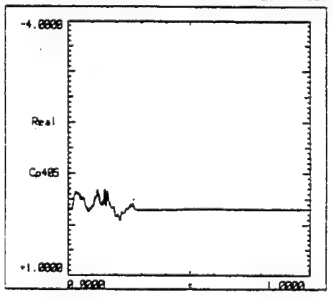


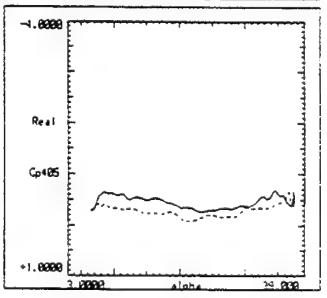










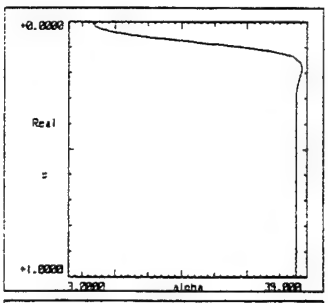


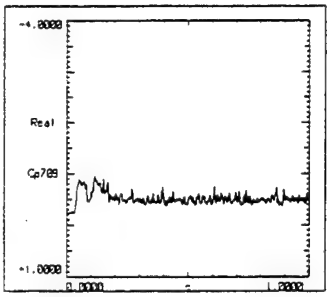
DPN : 306

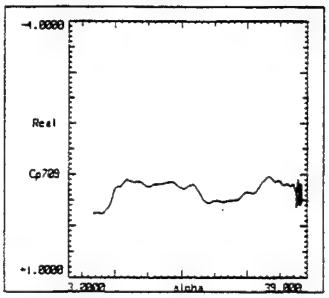
half (1-cos) input

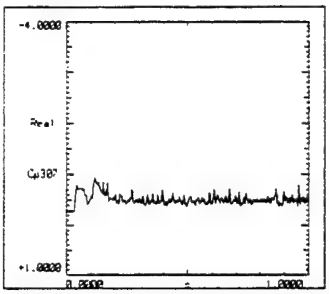
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

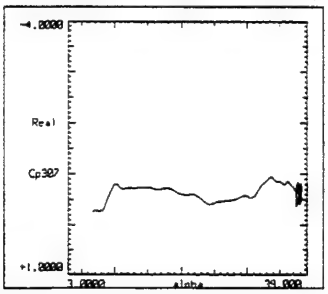
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

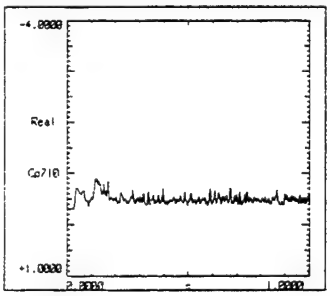


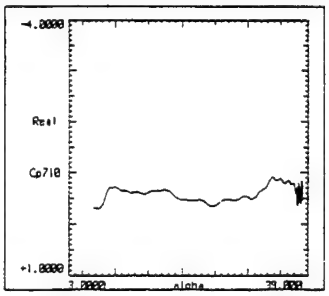


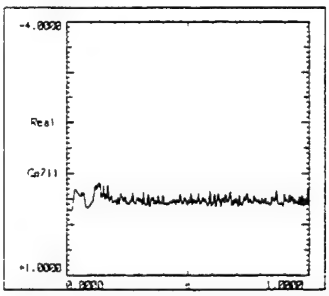


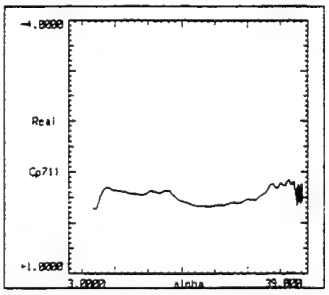


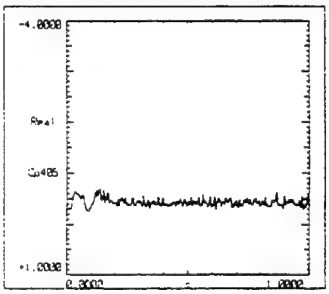


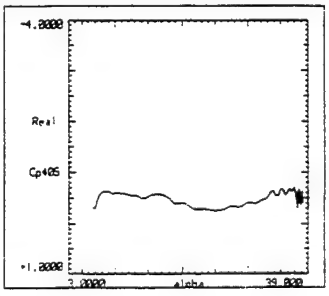












DPN : 306

full cos input

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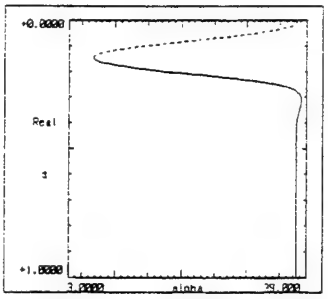

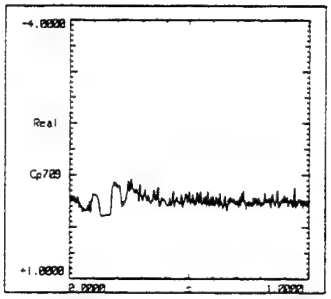

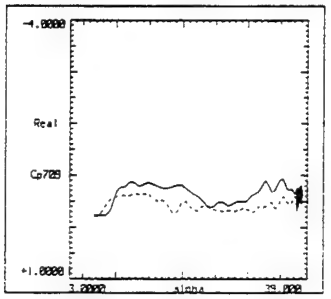

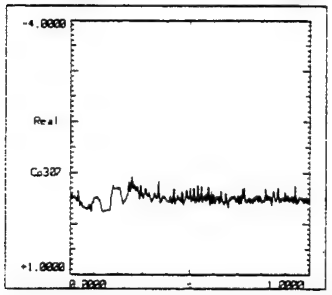

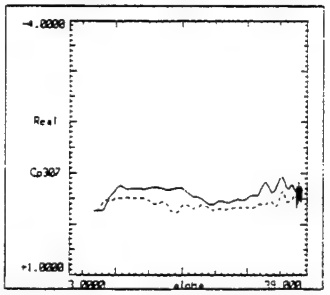

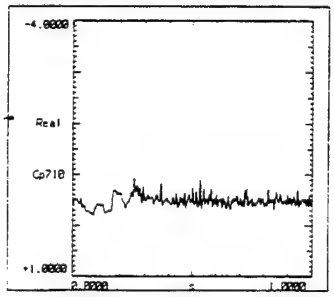

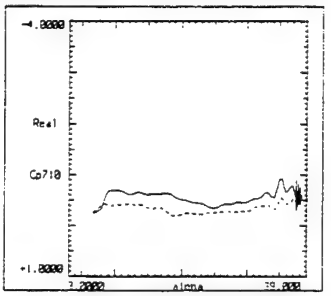

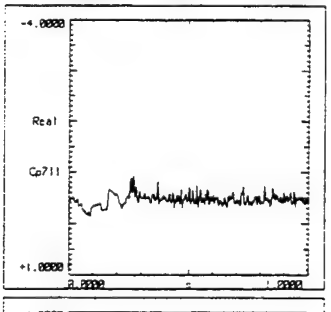

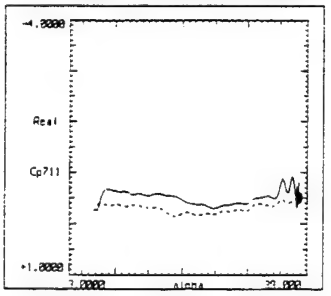

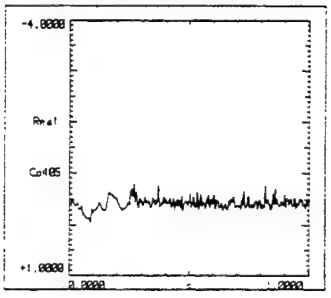

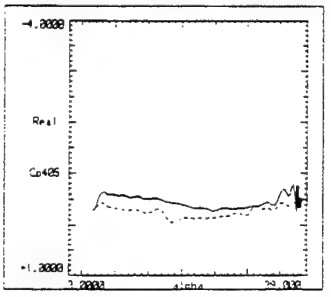

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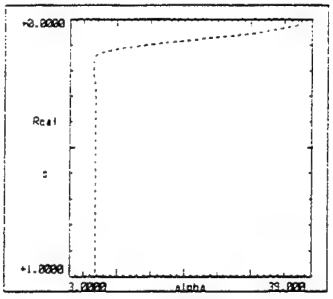
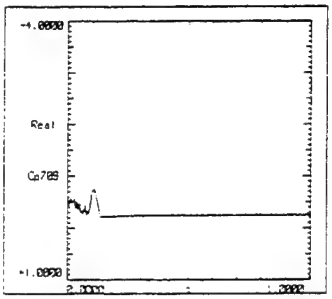
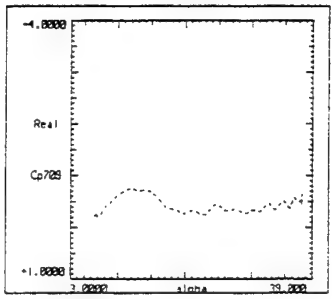
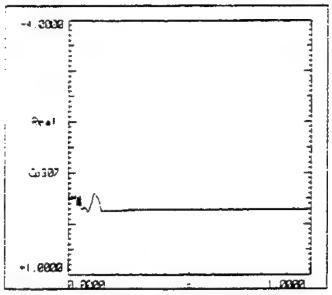
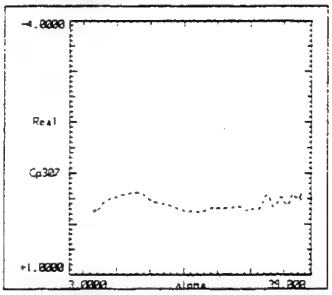
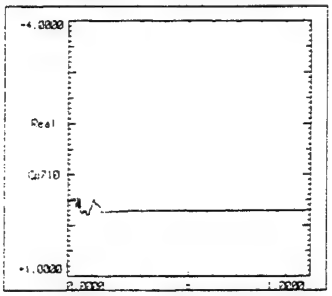


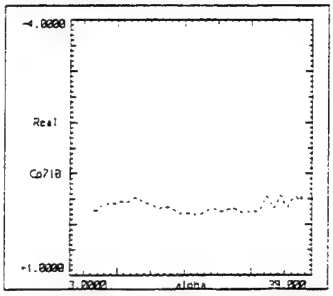


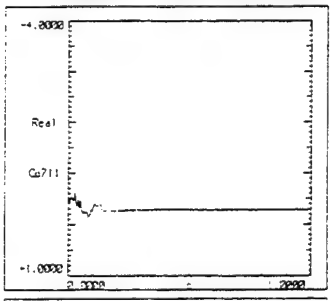


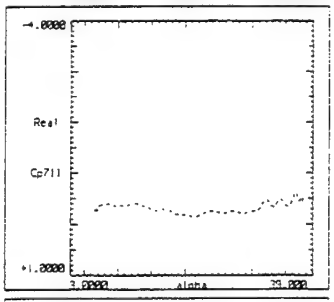


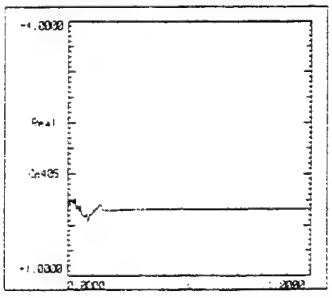


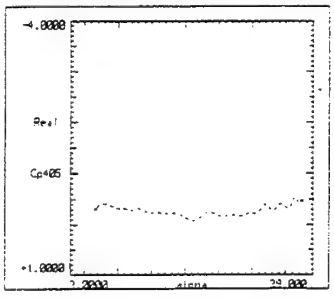










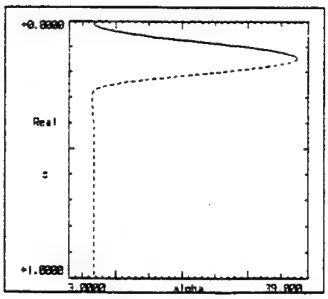


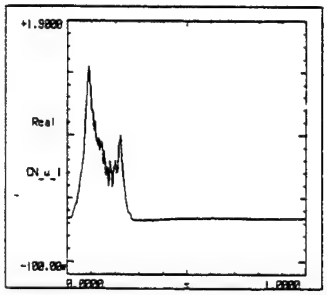
DPN : 306

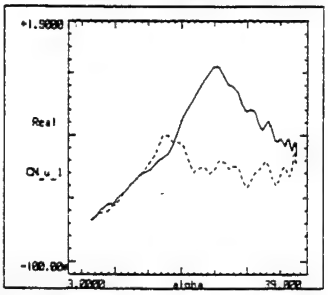
full (1-cos) input

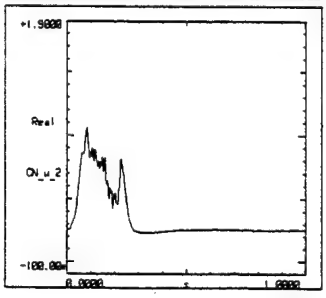
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

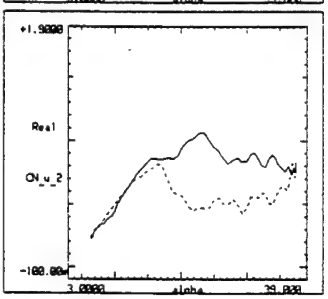
Mach = 0.225
Re*-6 = 8.046
Q = 6.752 kPa









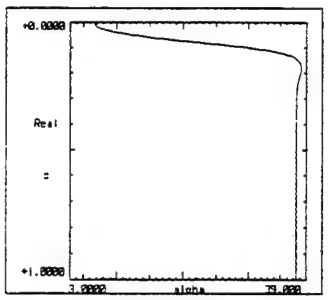


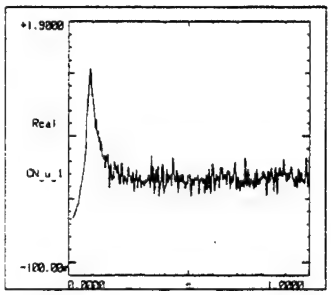
DPN : 306

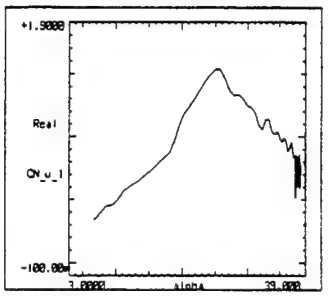
half (1-cos) input

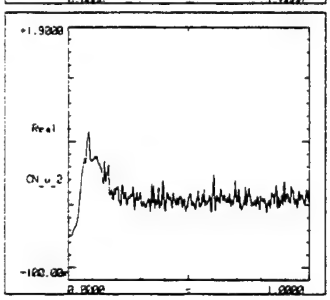
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

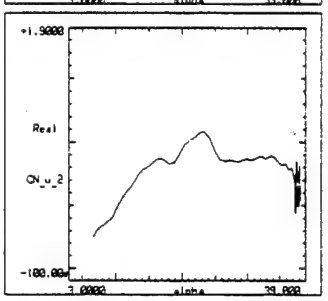
Mach = 0.225
Re*-6 = 8.046
Q = 6.752 kPa









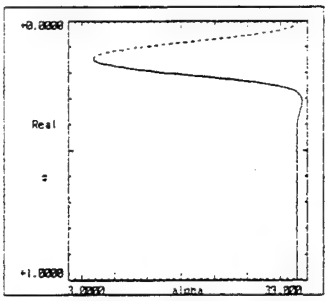


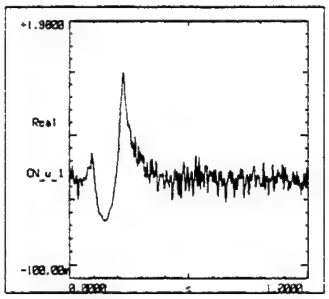
DPN : 306

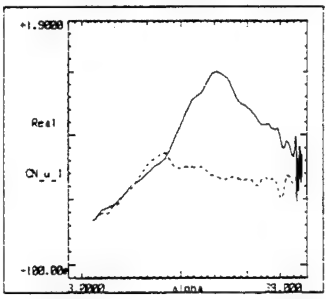
full cos input

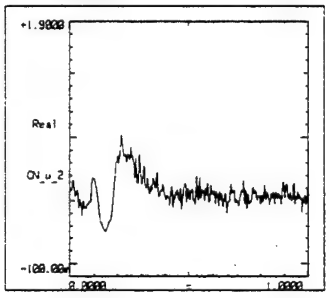
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

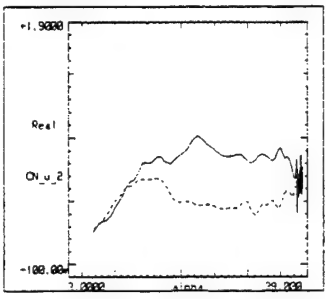
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









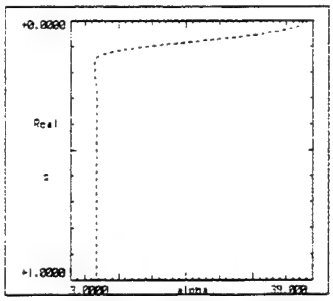


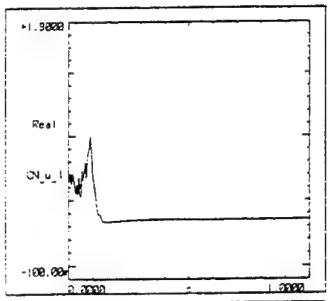
DPN : 306

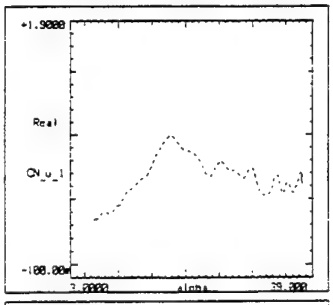
half cos input

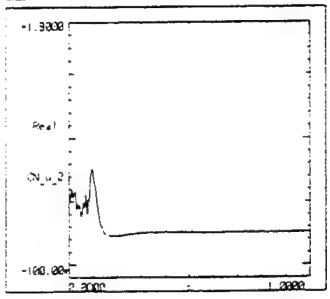
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

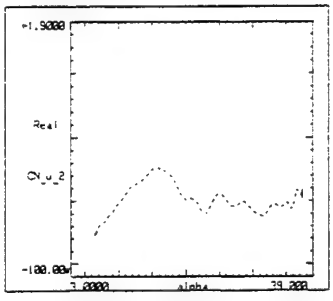
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









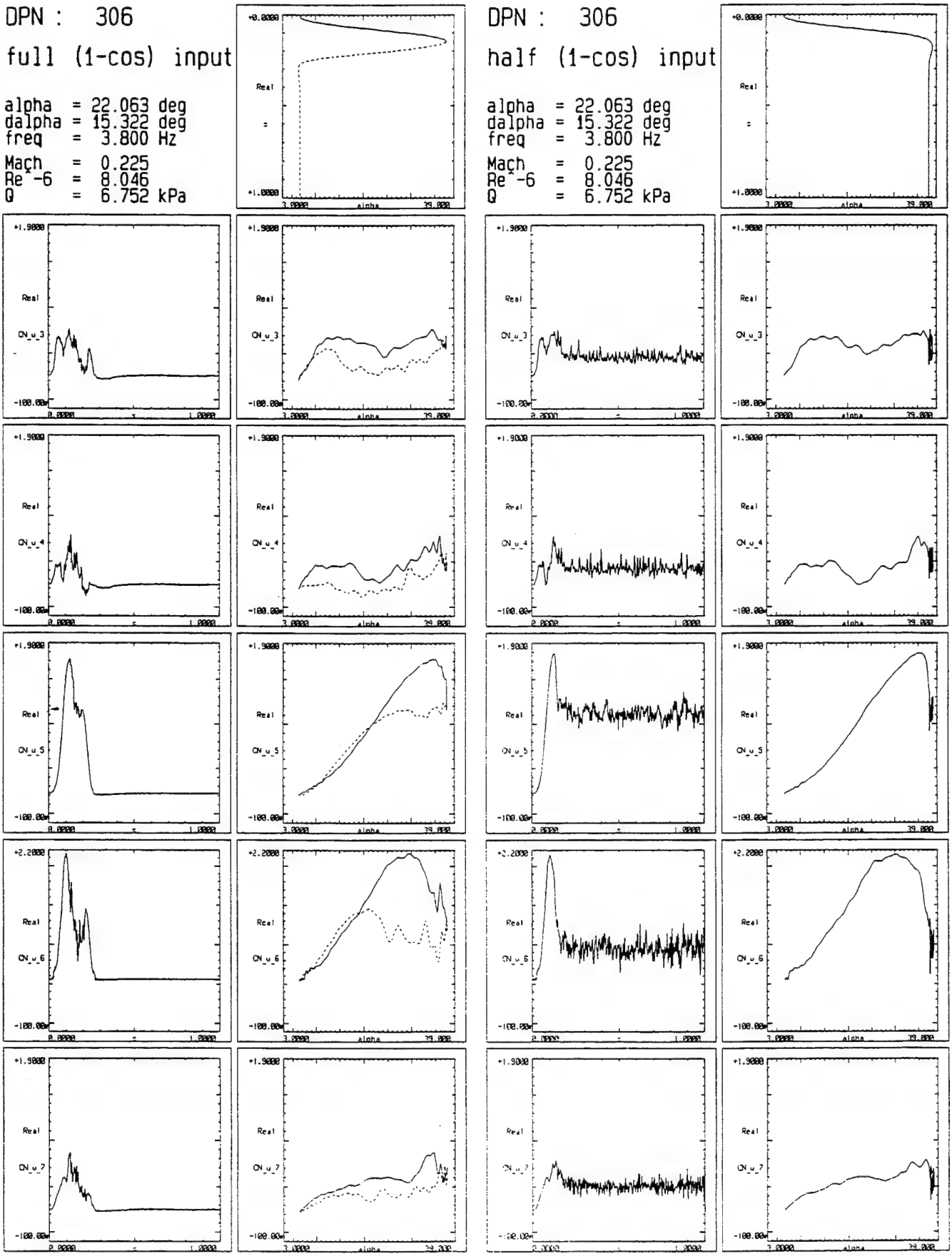


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



DPN : 306

half (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

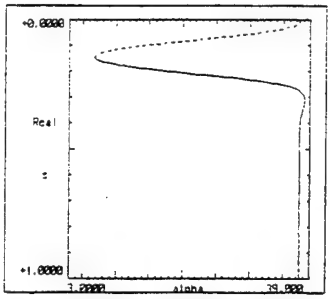
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

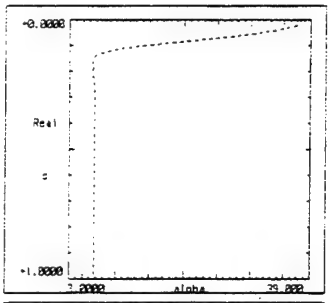


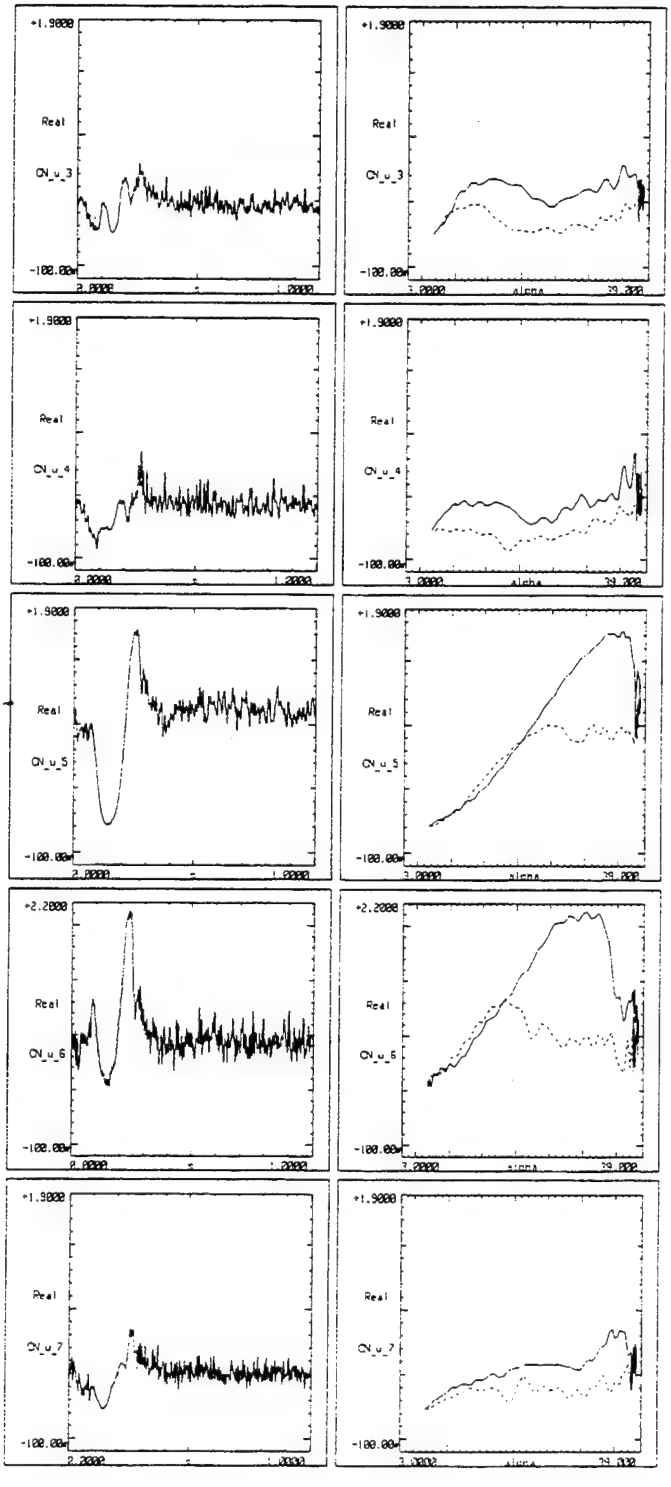
DPN : 306

half cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



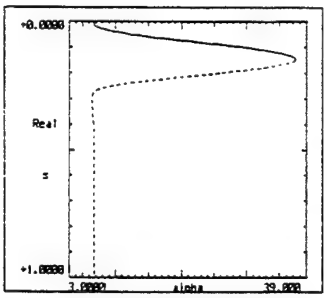


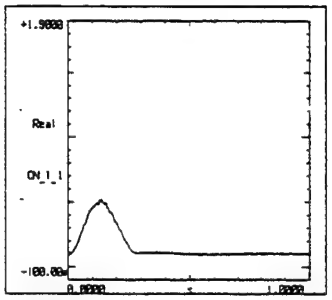
DPN : 306

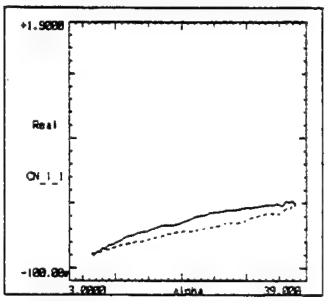
full (1-cos) input

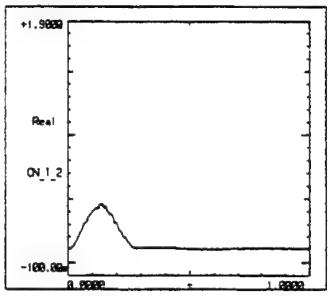
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

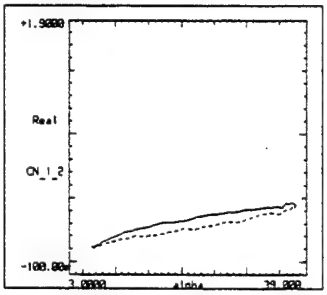
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









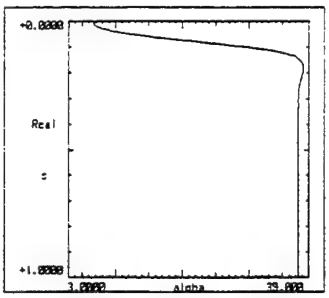


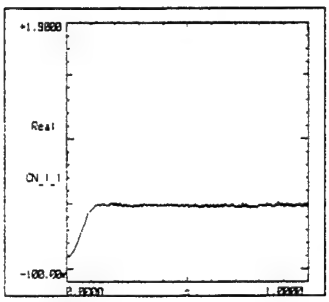
DPN : 306

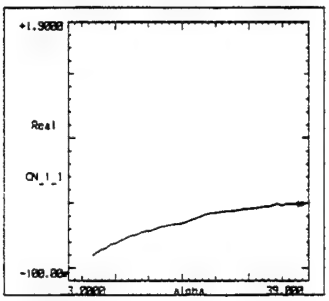
half (1-cos) input

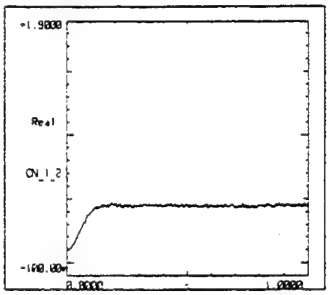
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

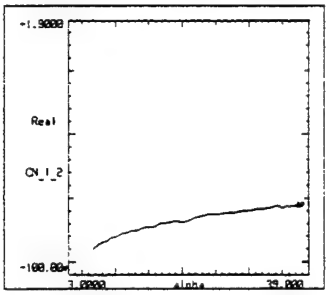
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

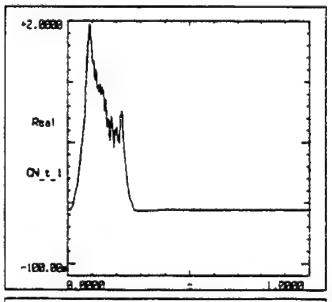


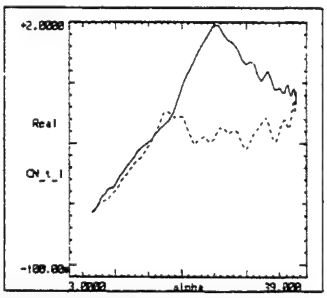


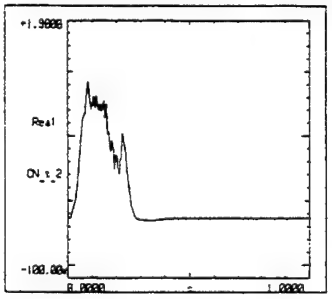


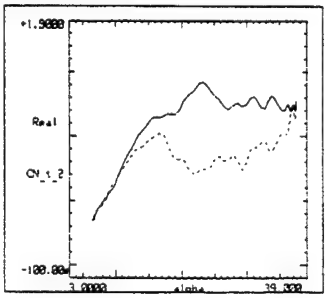


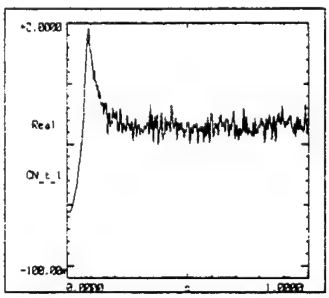


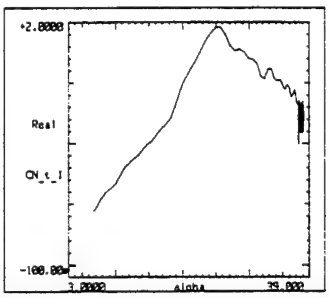


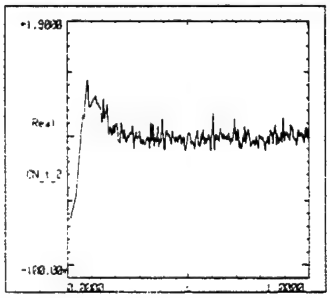


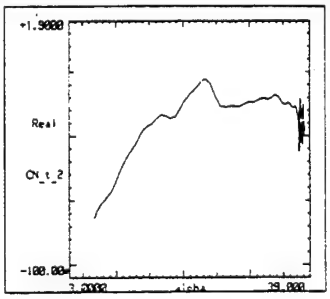










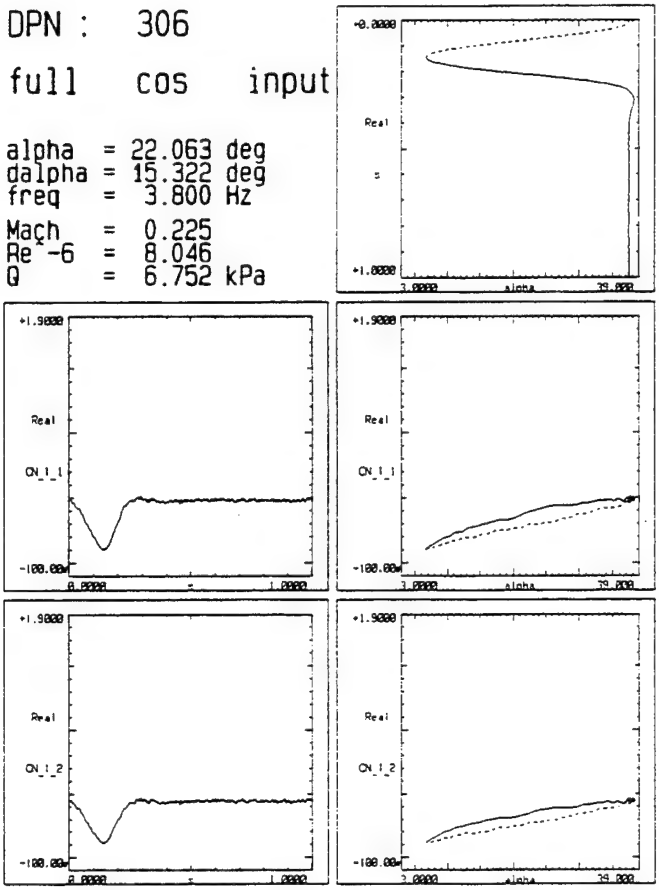


DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

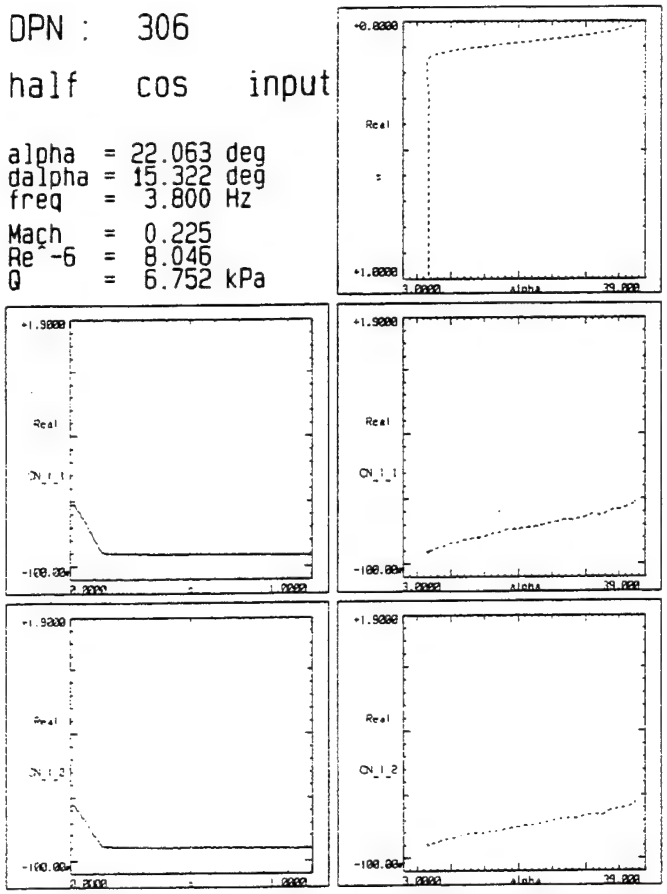


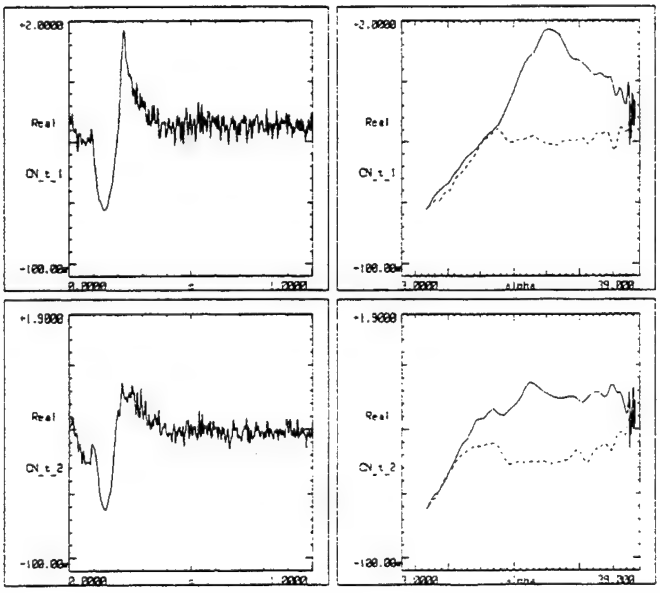
DPN : 306

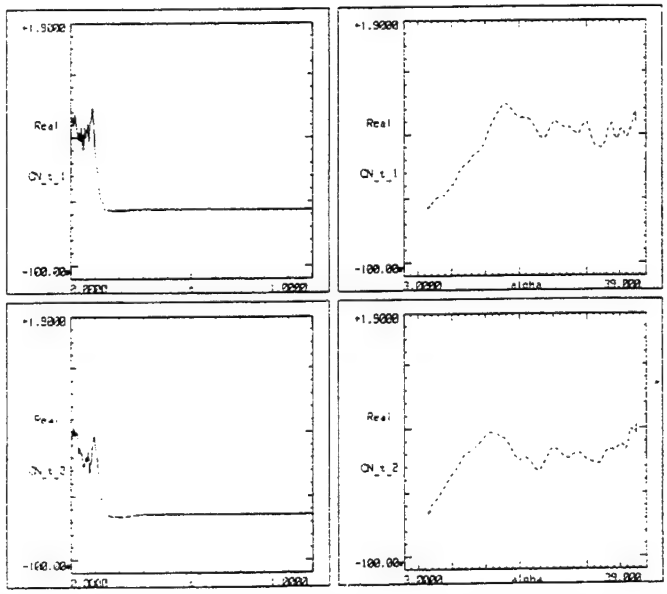
half cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa





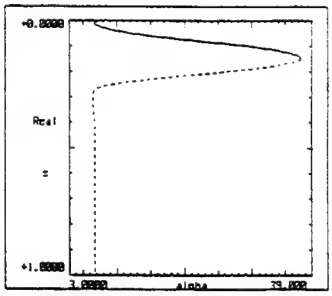


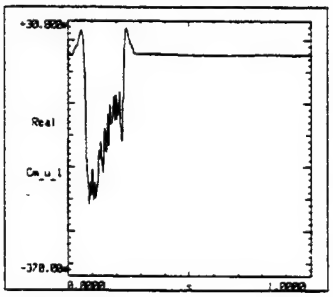
DPN : 306

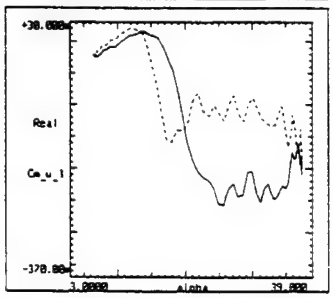
full (1-cos) input

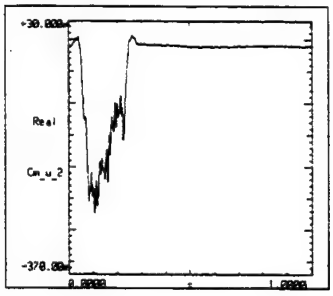
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

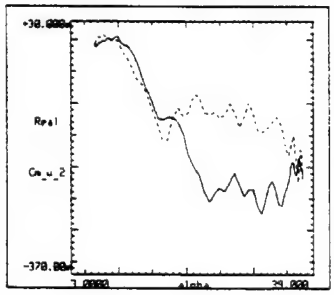
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









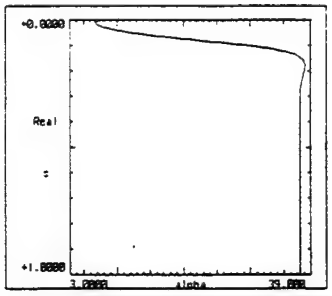


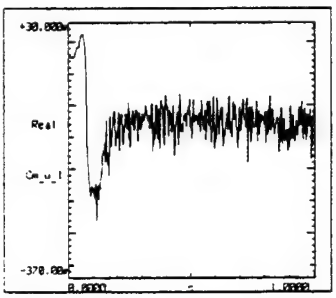
DPN : 306

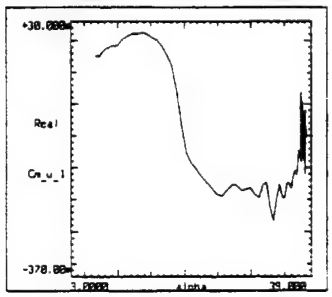
half (1-cos) input

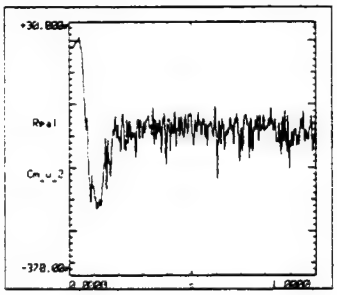
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

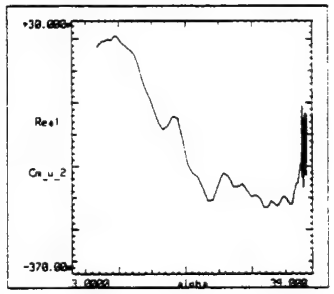
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa







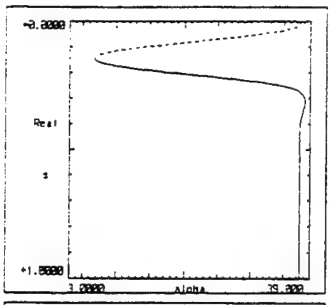


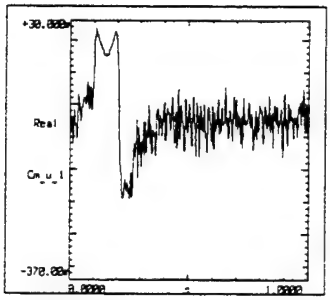


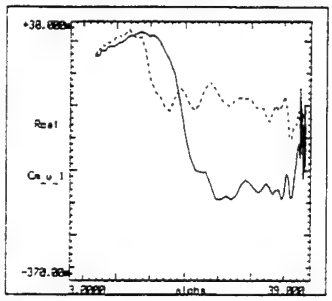
DPN : 306

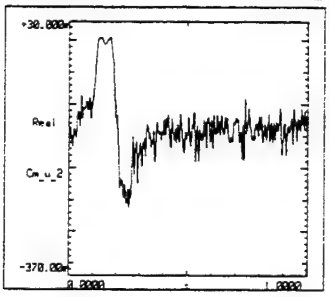
full cos input

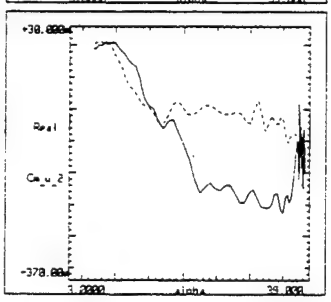
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa







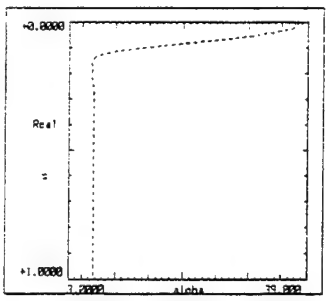


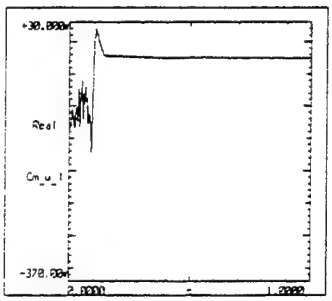


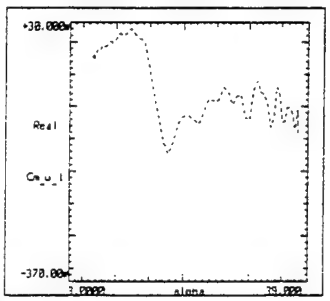
DPN : 306

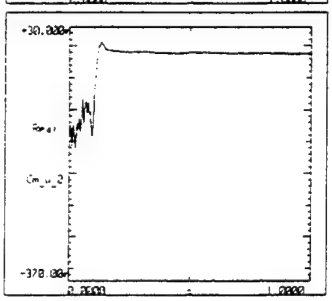
half cos input

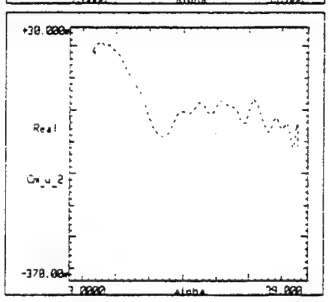
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz
Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa









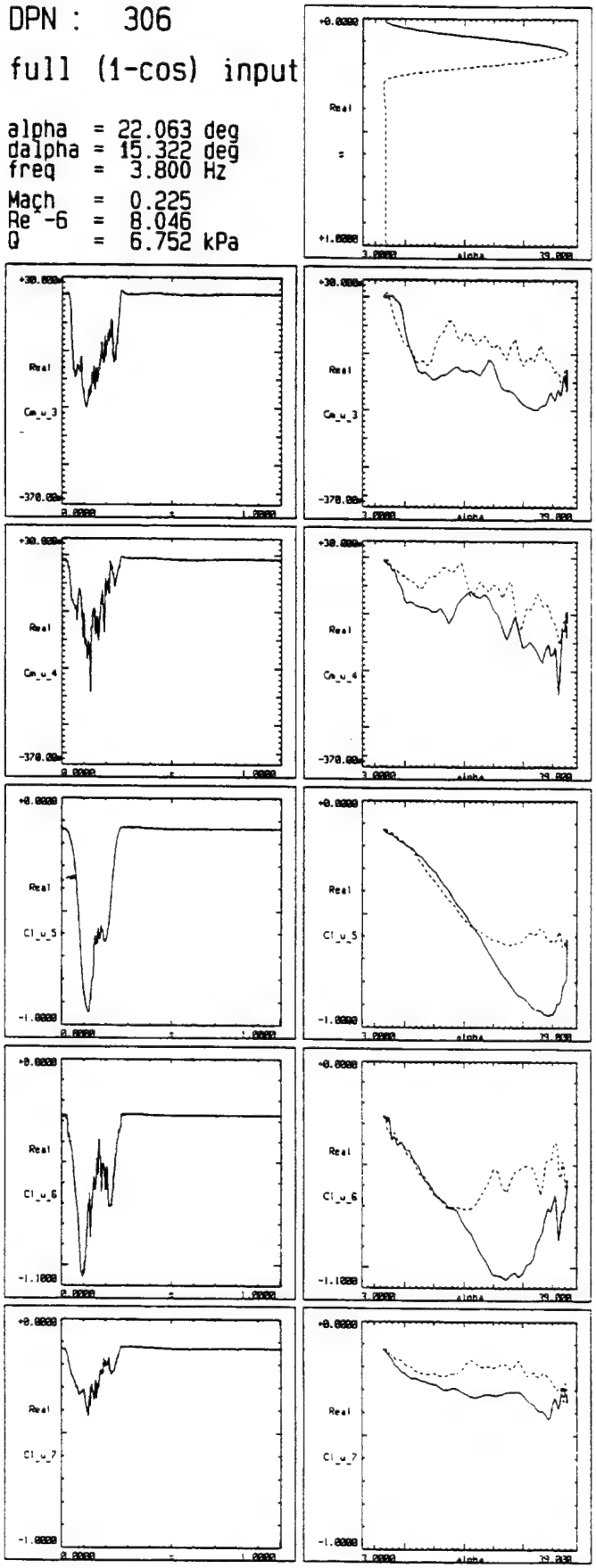


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

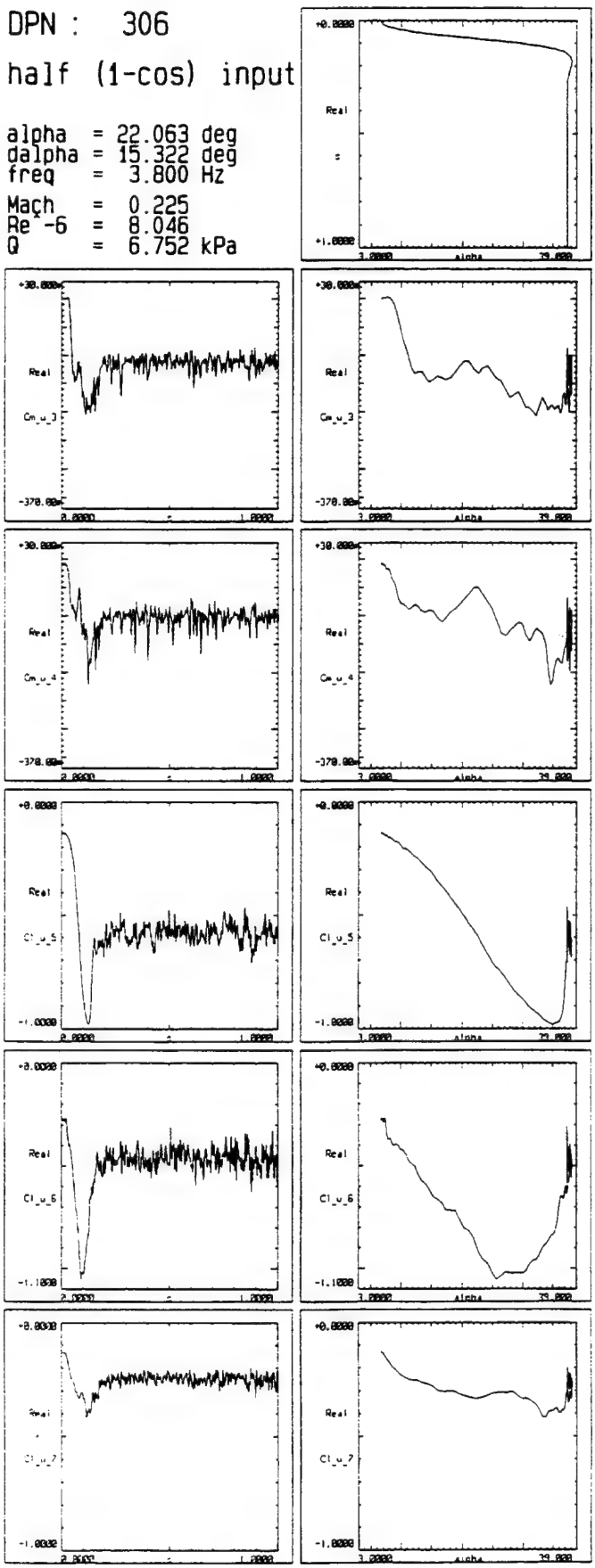


DPN : 306

half (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

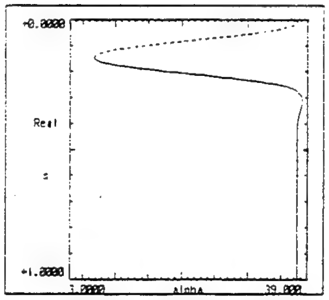


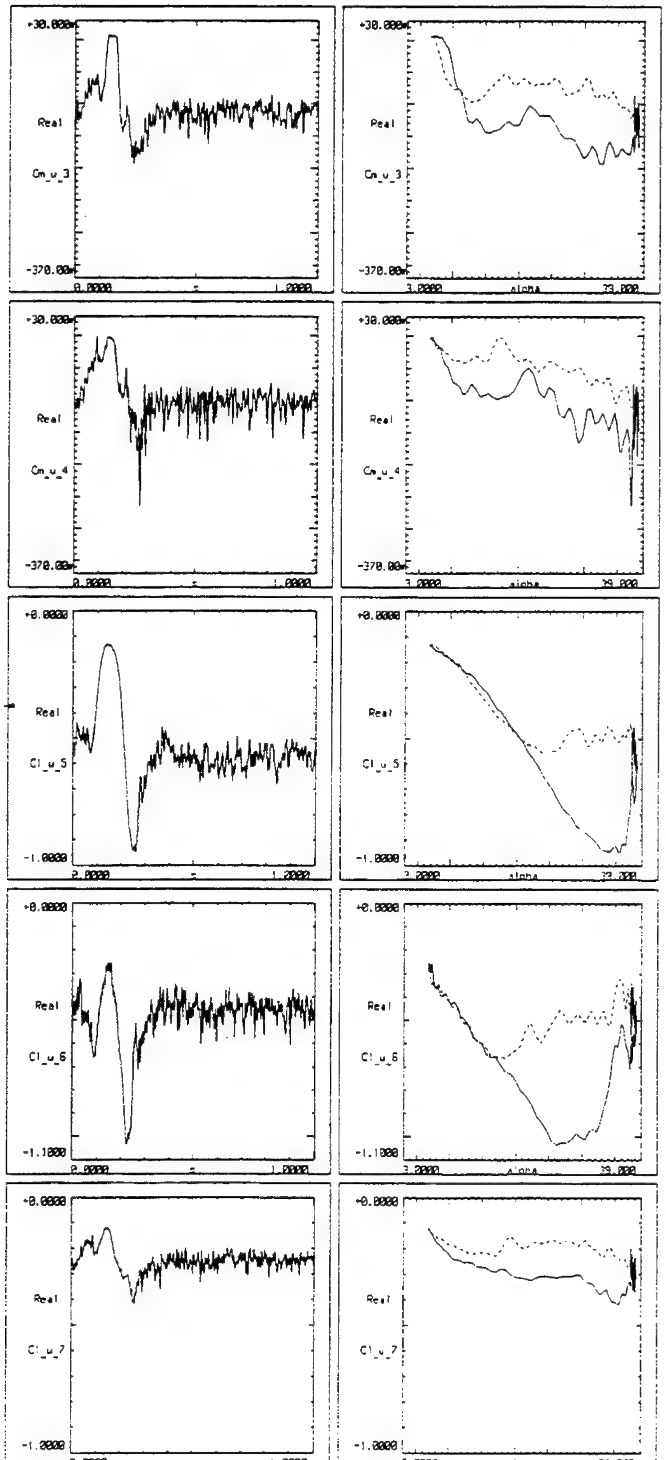
DPN : 306

full cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



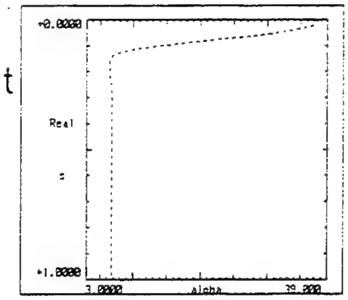


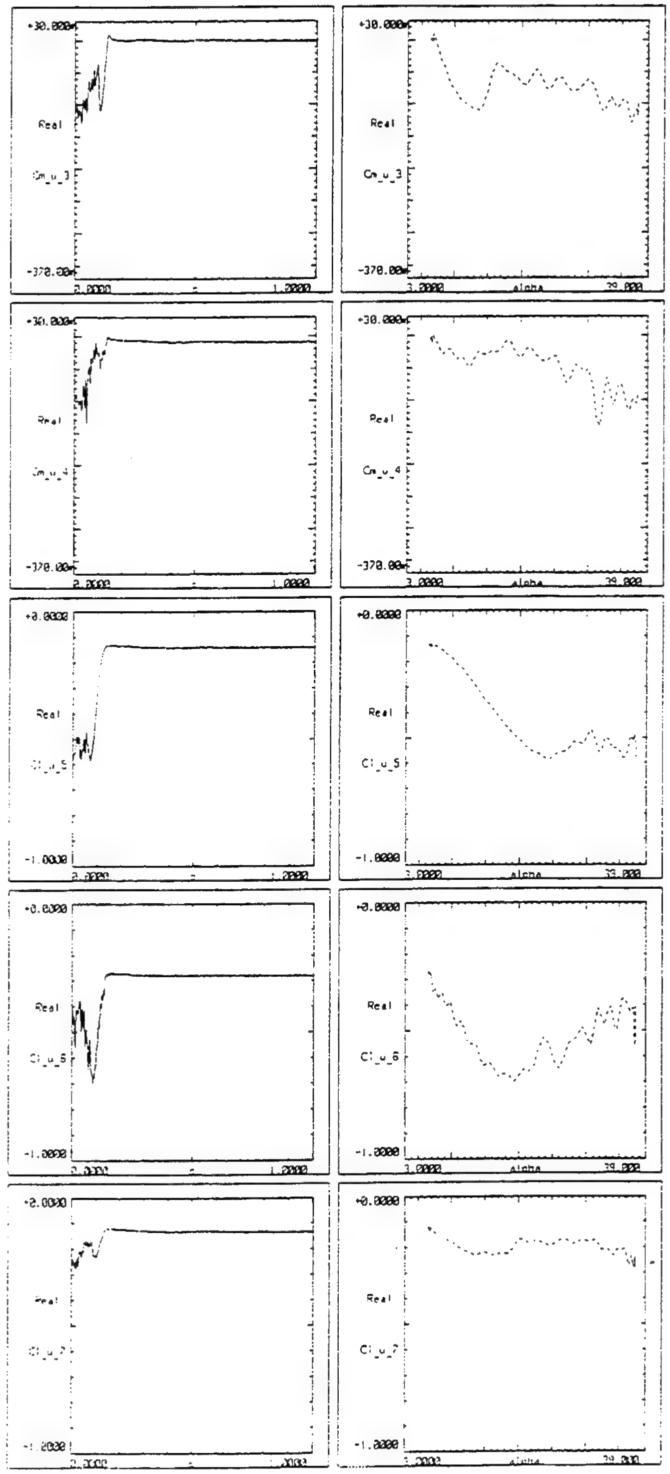
DPN : 306

half cos input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa



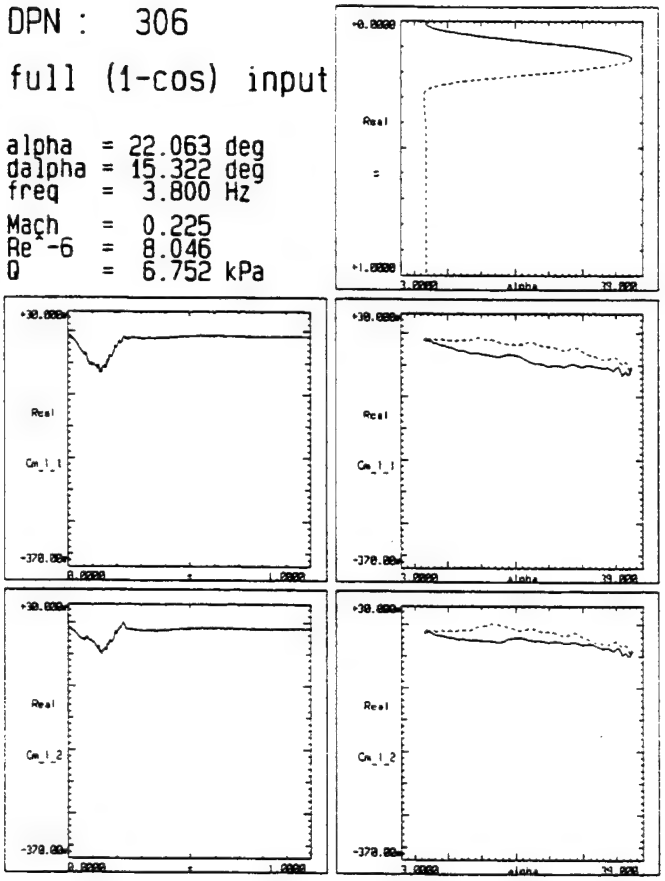


DPN : 306

full (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa

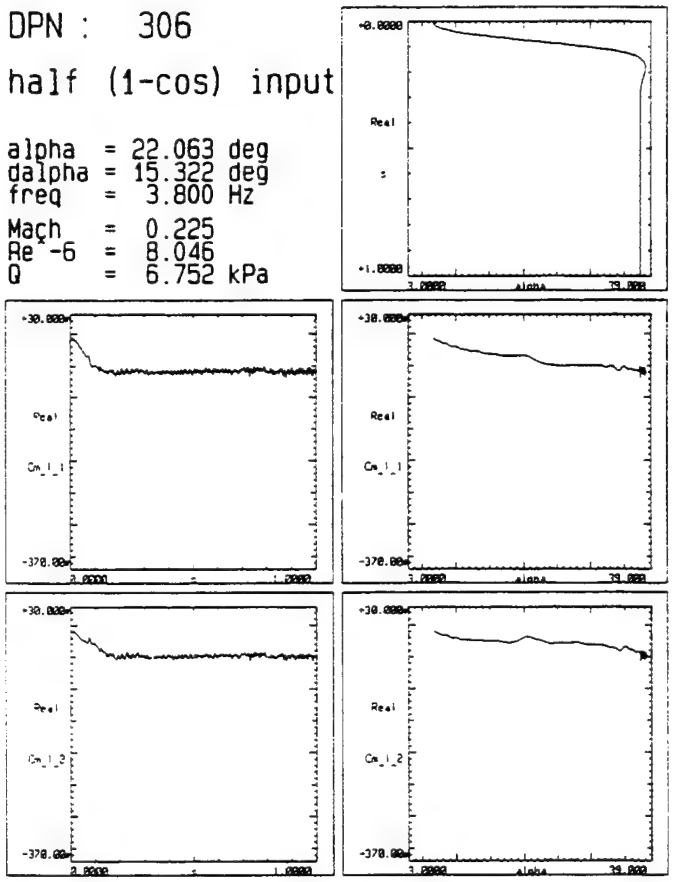


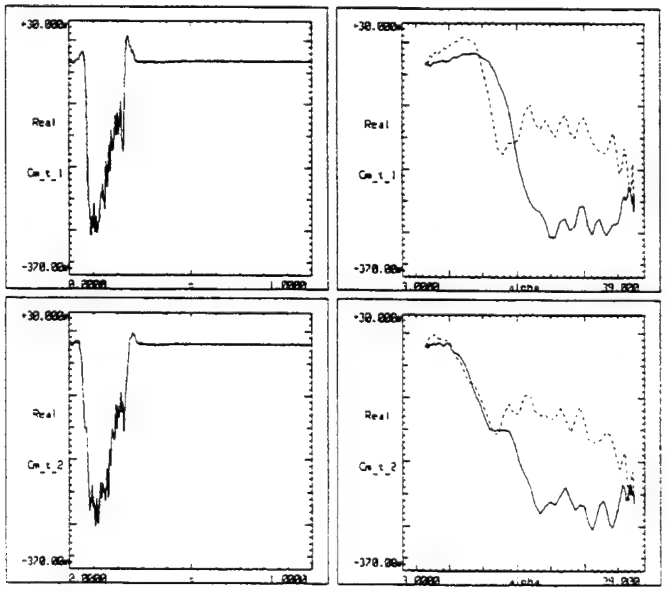
DPN : 306

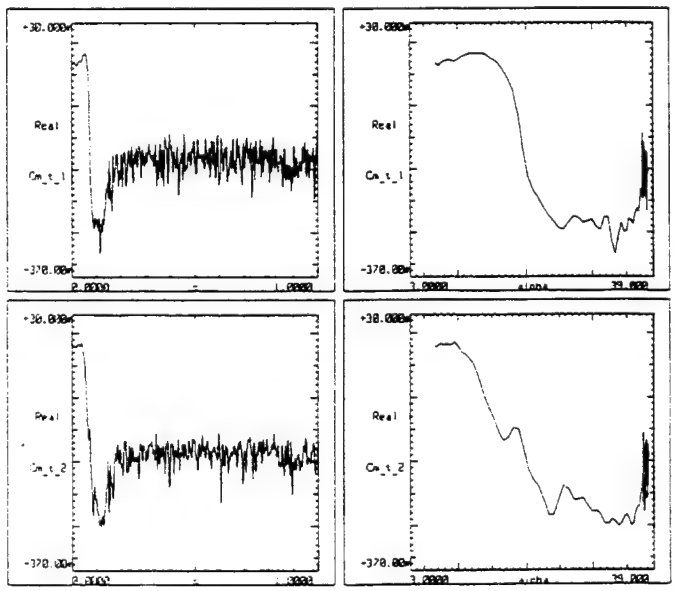
half (1-cos) input

alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

Mach = 0.225
Re^-6 = 8.046
Q = 6.752 kPa





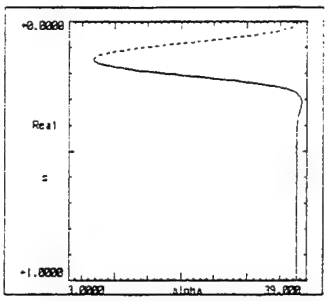


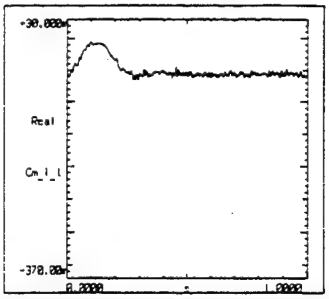
DPN : 306

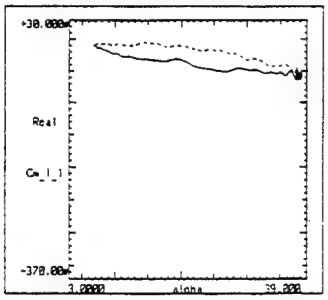
full cos input

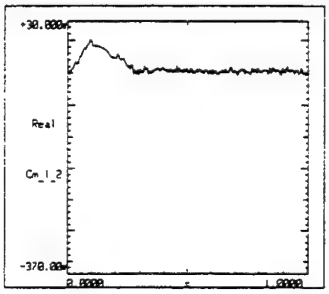
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

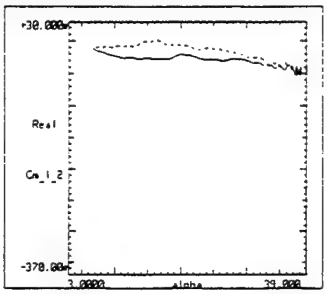
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa









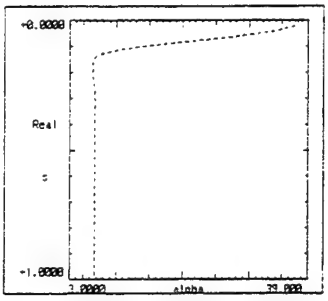


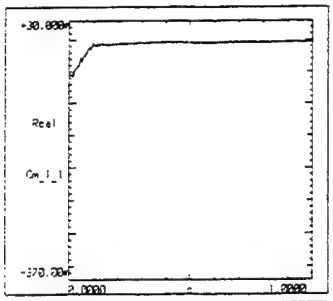
DPN : 306

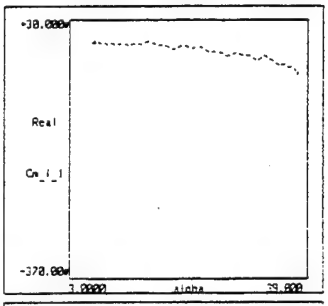
half cos input

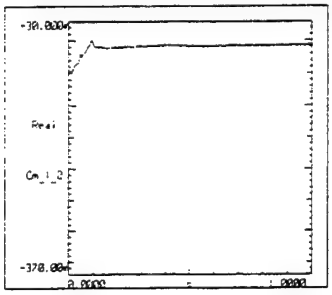
alpha = 22.063 deg
dalpha = 15.322 deg
freq = 3.800 Hz

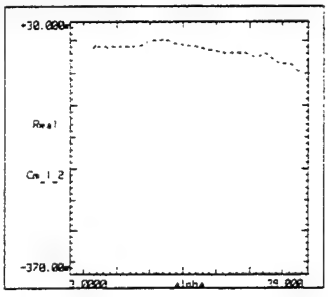
Mach = 0.225
Re -6 = 8.046
Q = 6.752 kPa

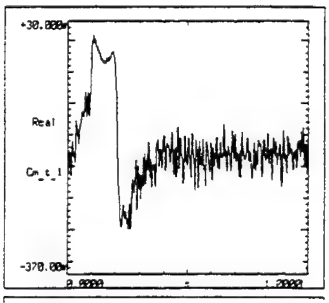


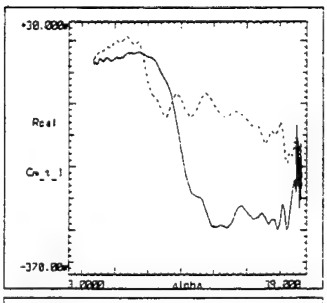


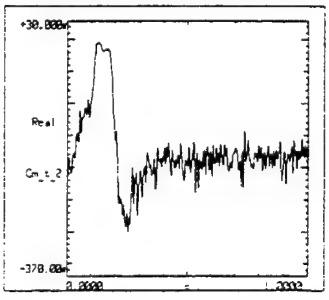


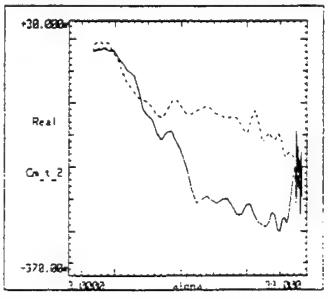


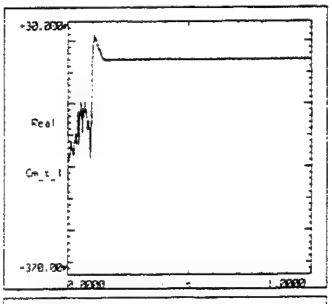


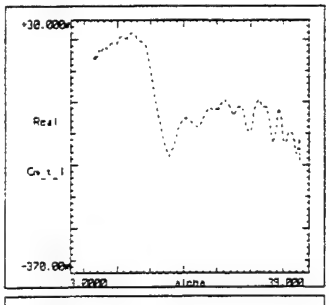


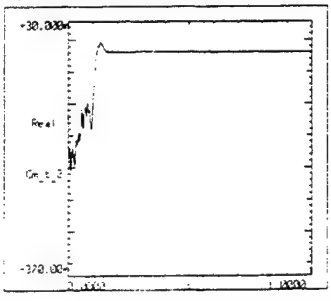


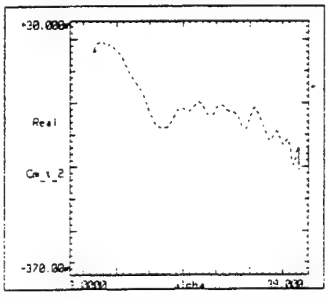










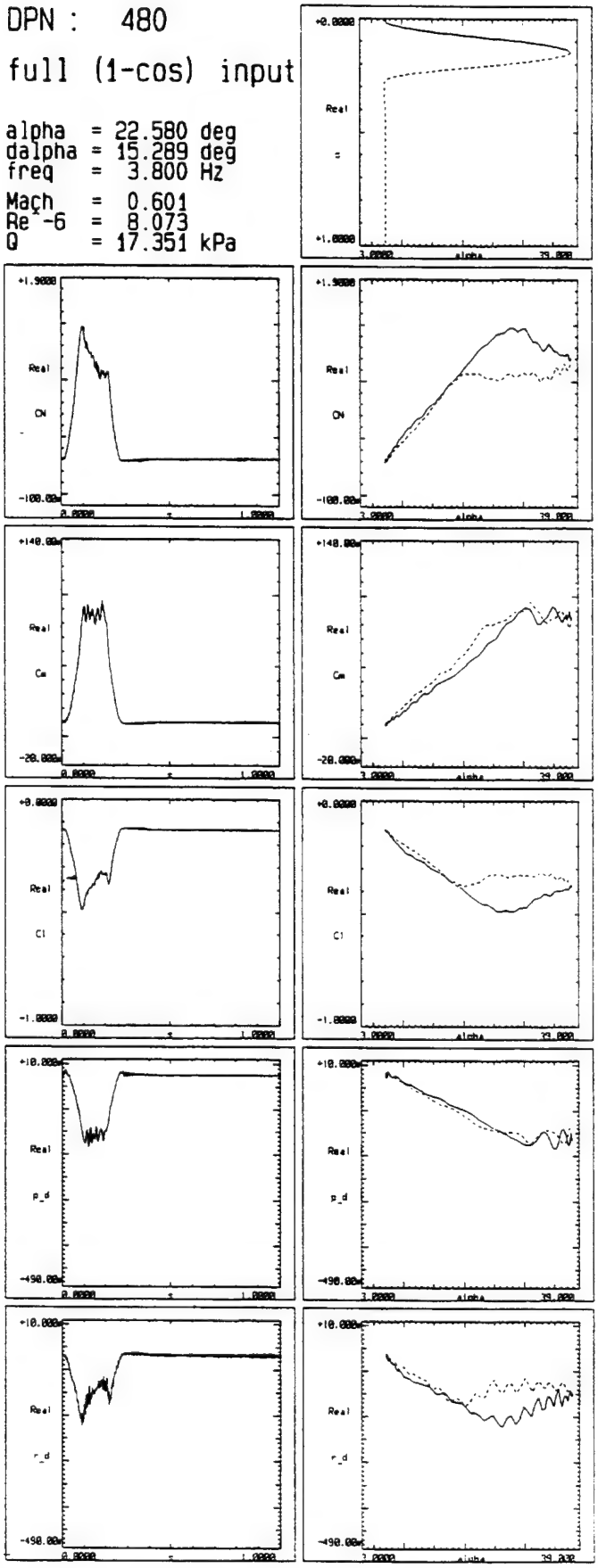


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



DPN : 480

half (1-cos) input

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dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
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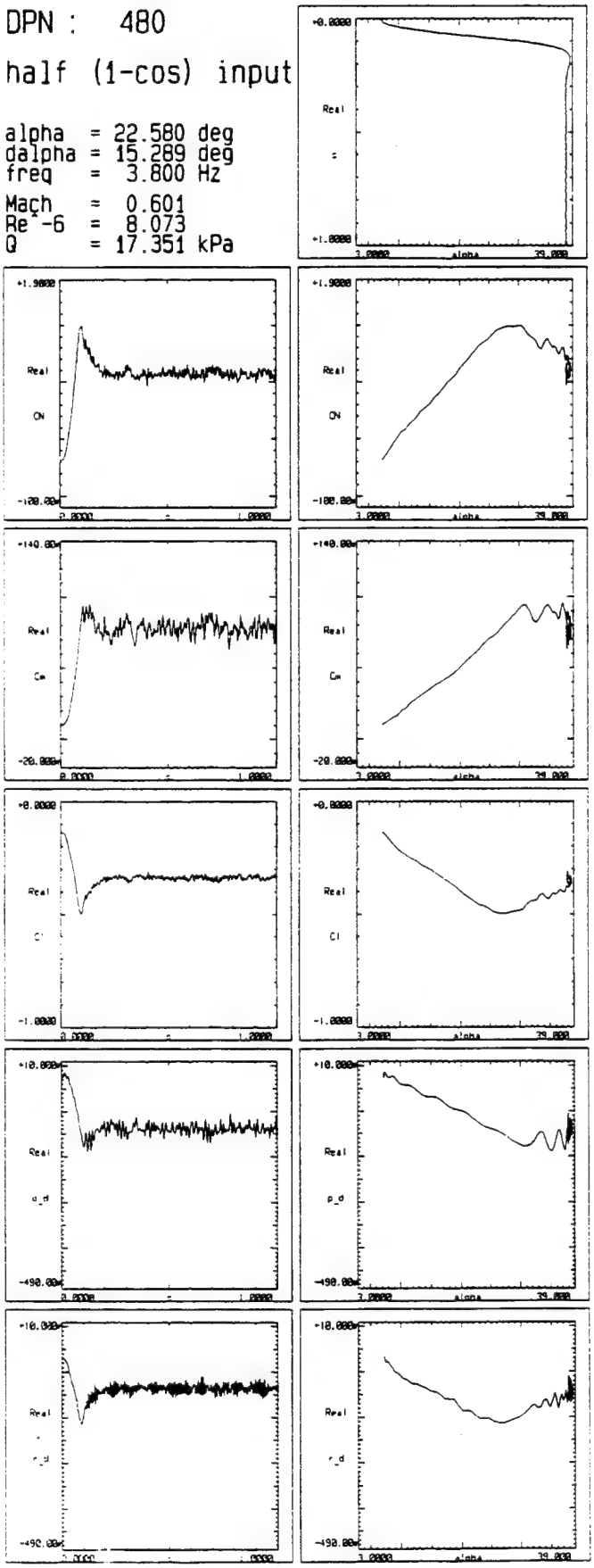

DPN : 480

full cos input

alpha = 22.580 deg
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freq = 3.800 Hz
Mach = 0.601
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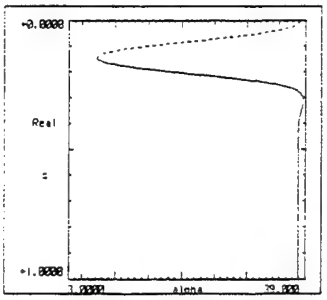
Q = 17.351 kPa



DPN : 480

half cos input

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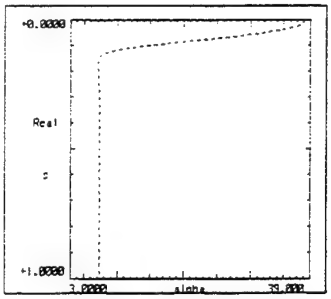
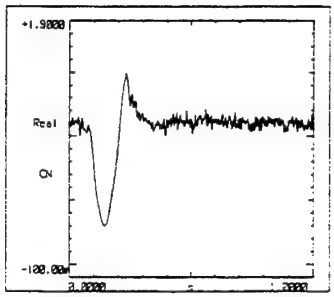
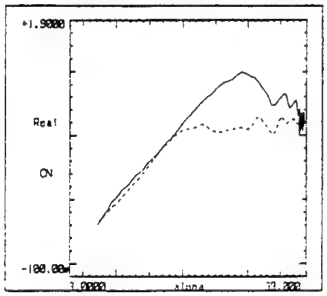
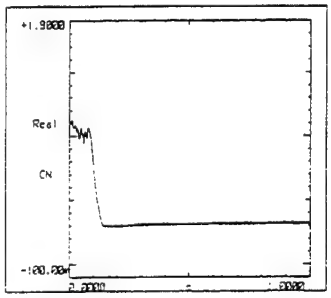
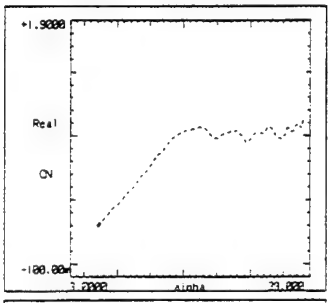
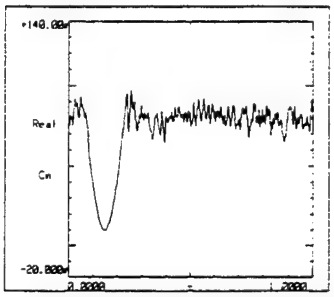


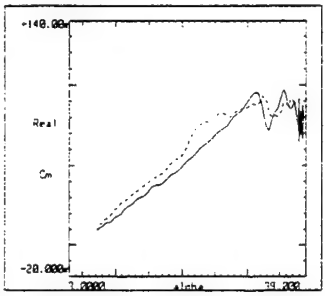


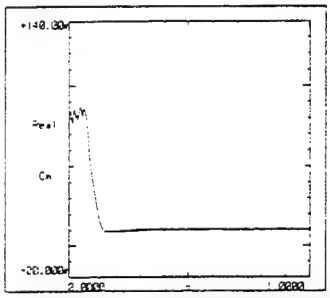


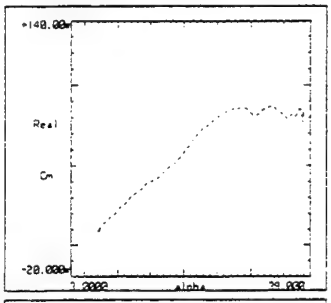


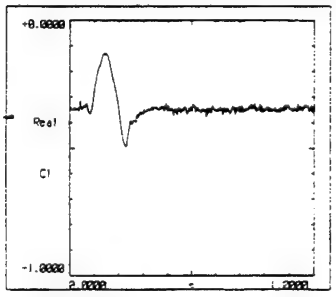


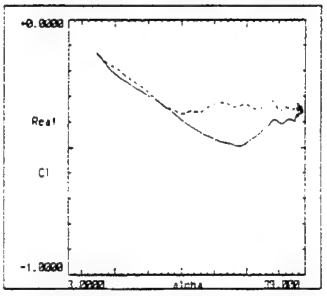


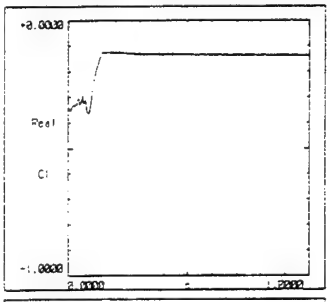


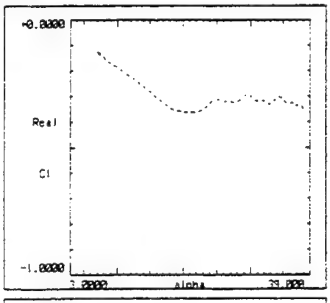


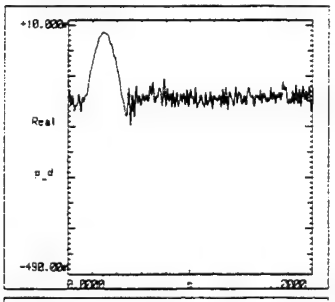


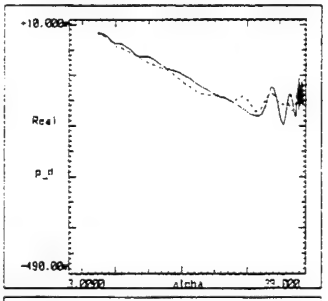


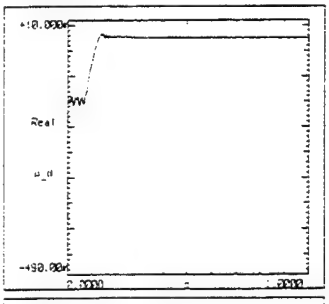


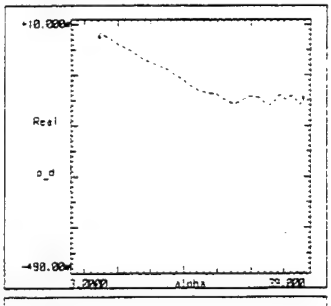


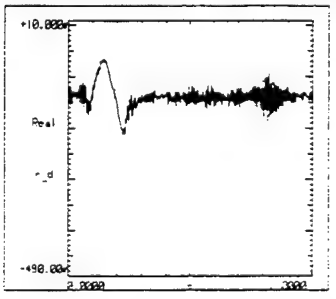


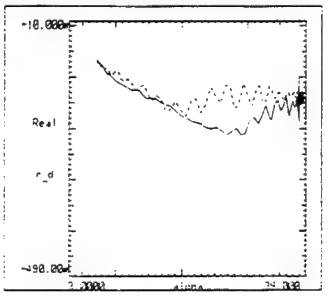


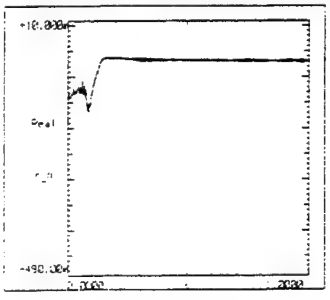


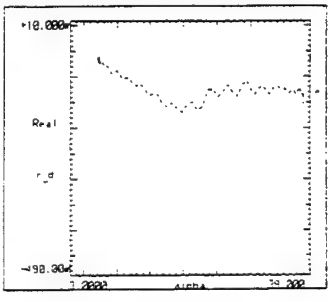










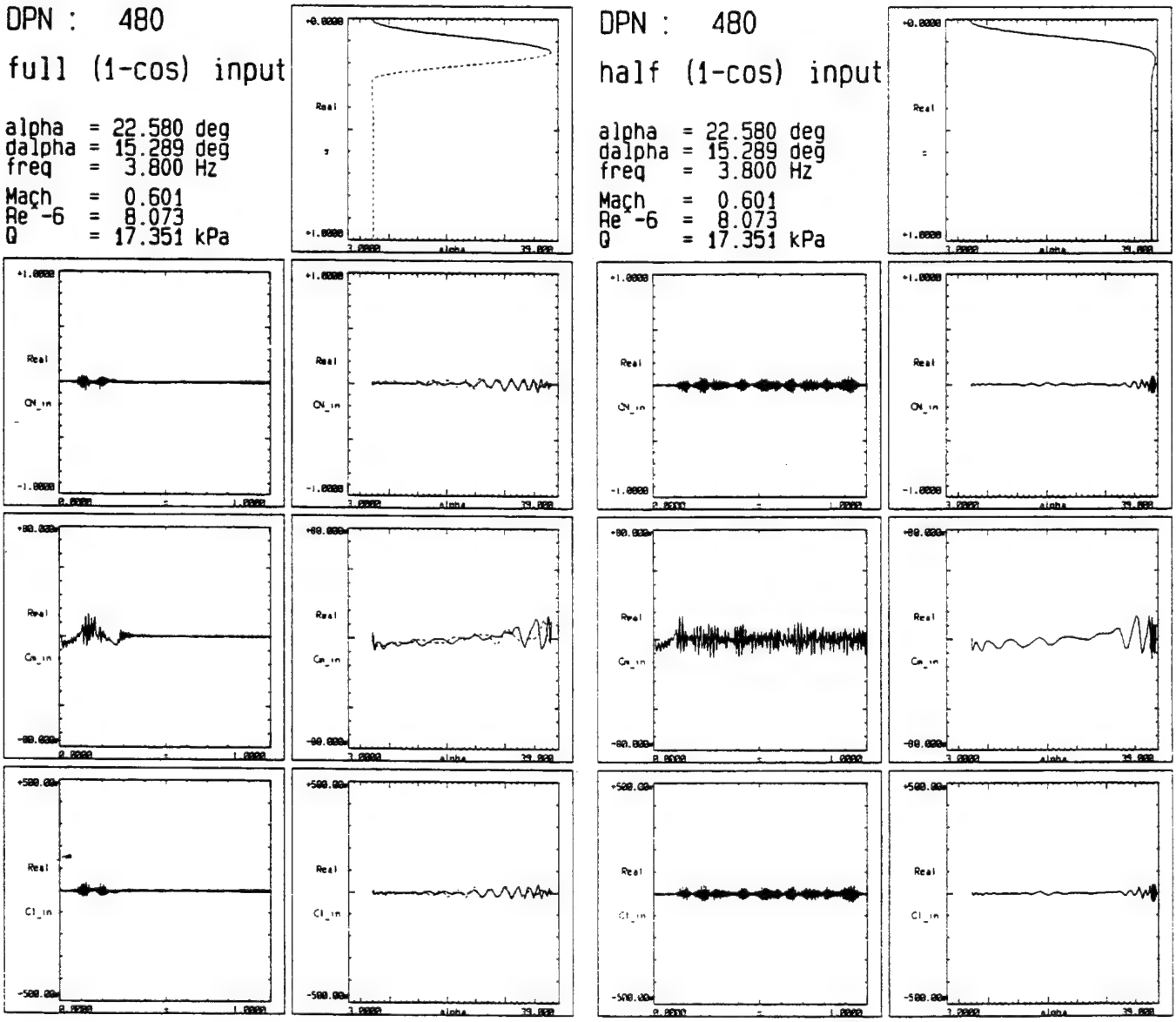


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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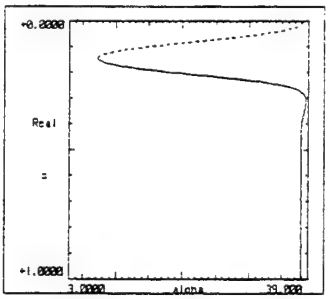

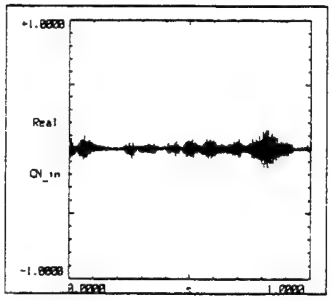

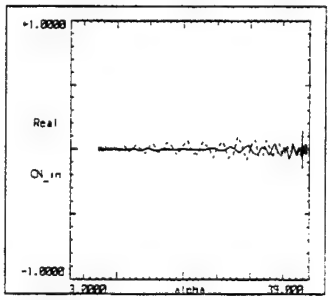

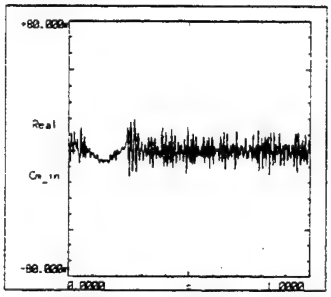

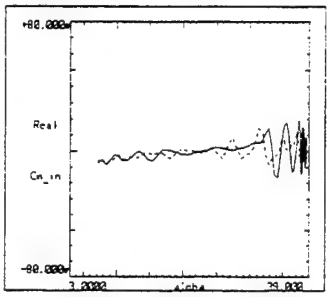

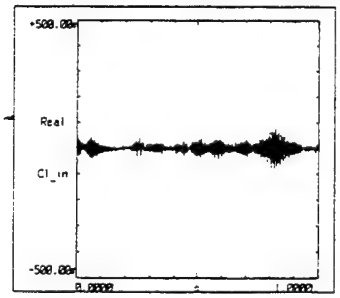

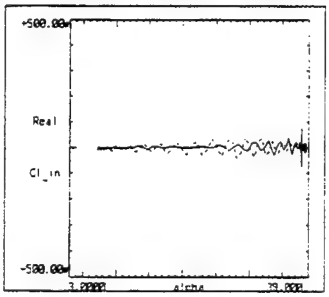

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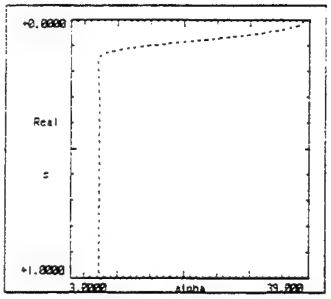

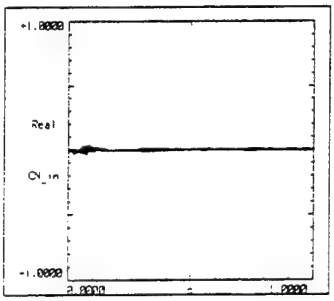

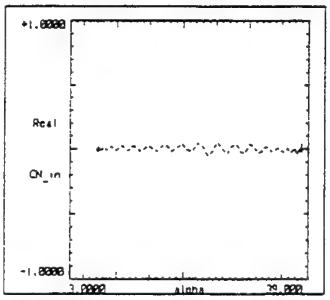

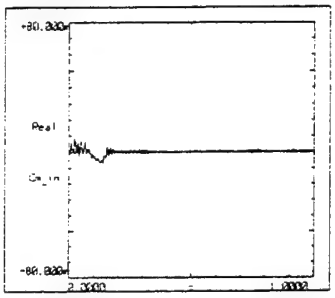

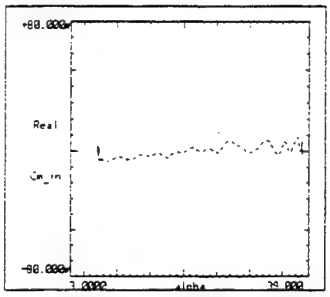

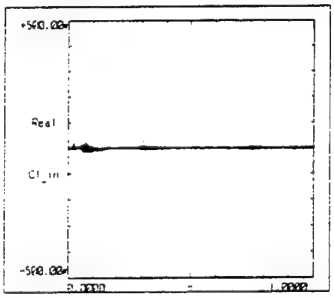

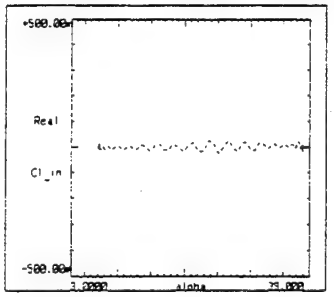

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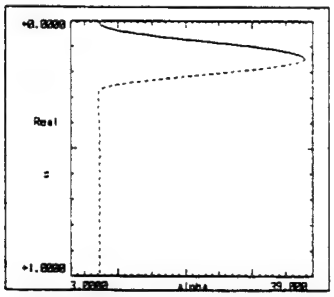

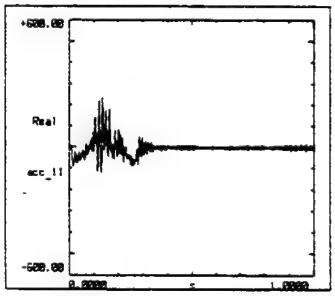

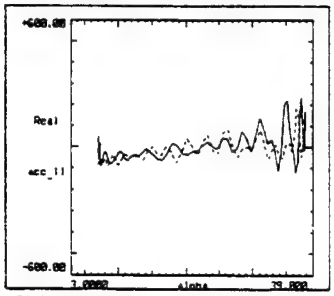

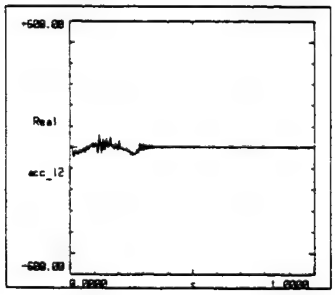

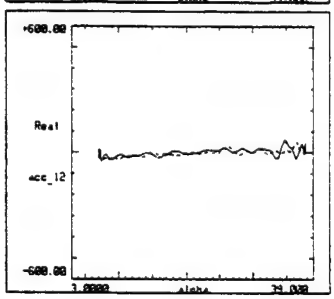

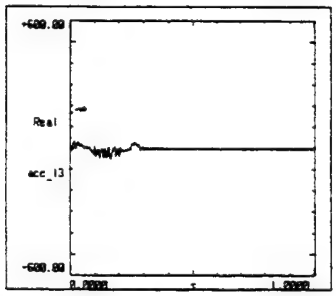

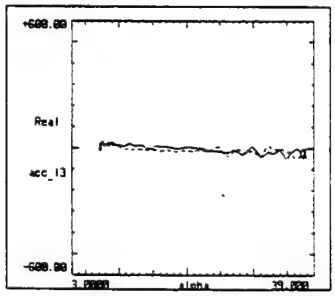

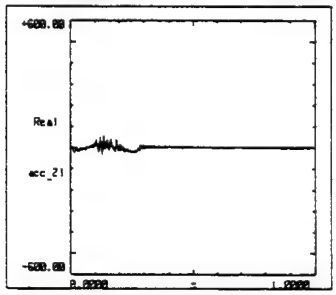

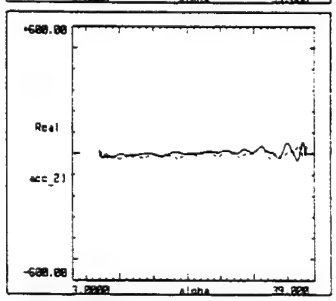

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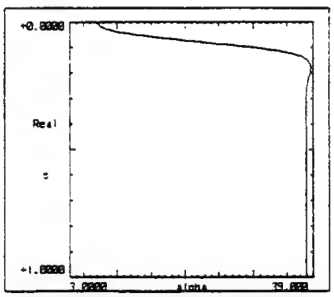

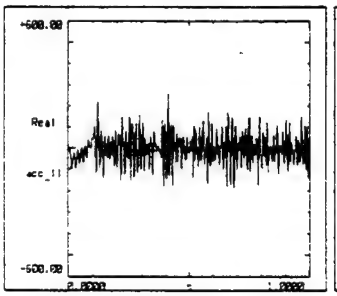

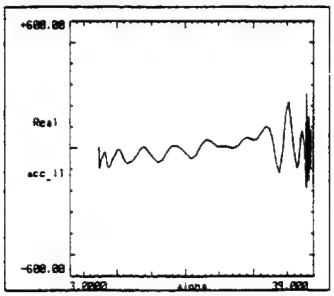

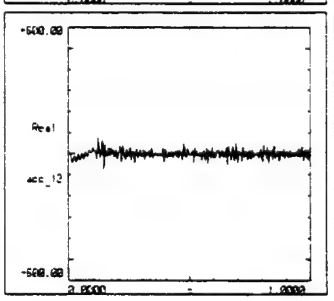

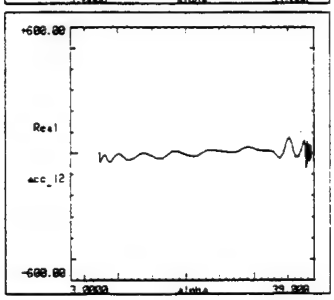

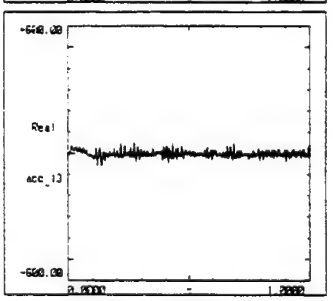

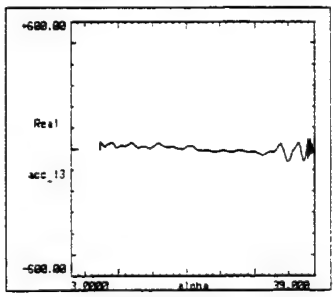

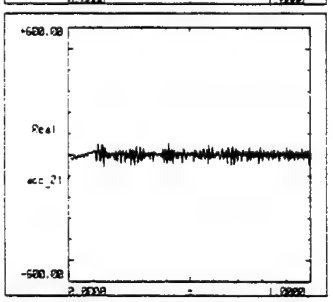

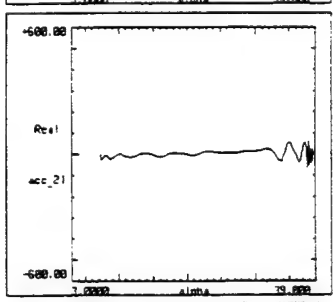

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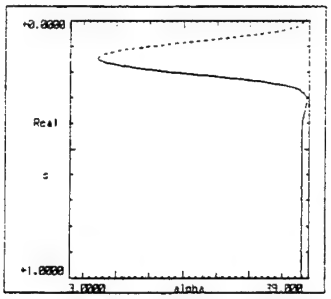

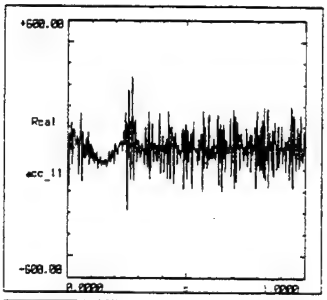

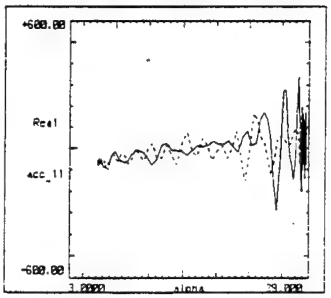

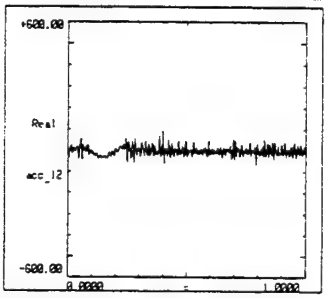

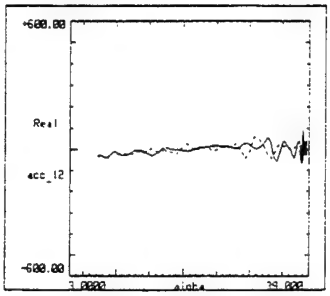

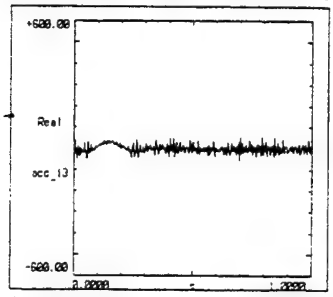

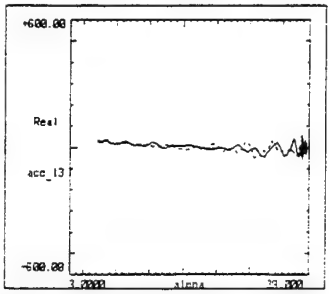

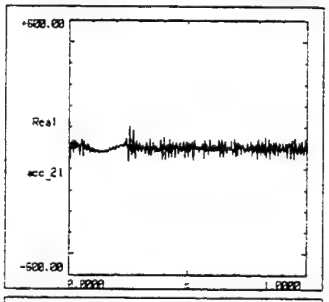

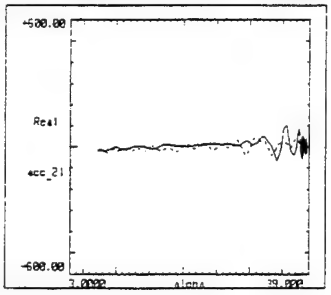

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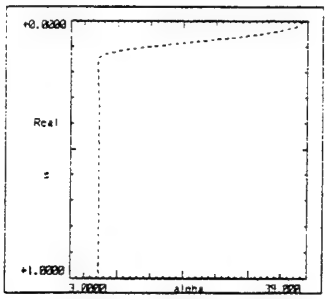
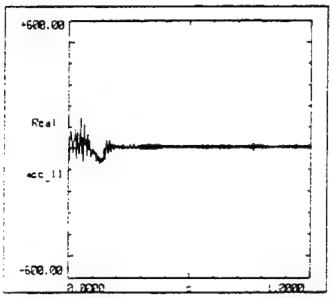
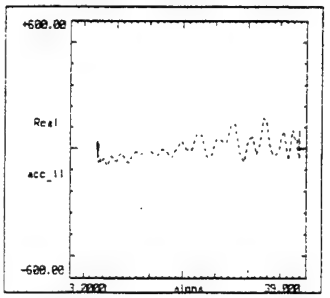
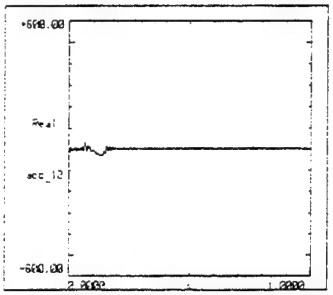
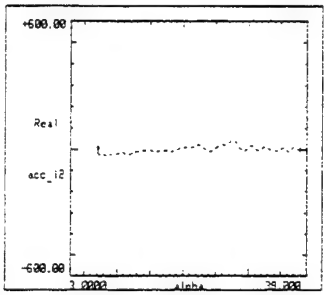
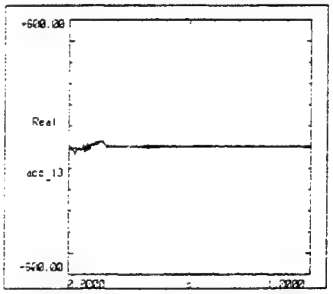


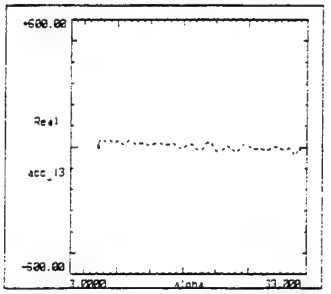


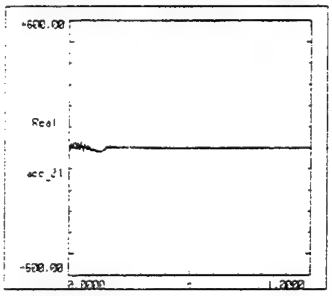


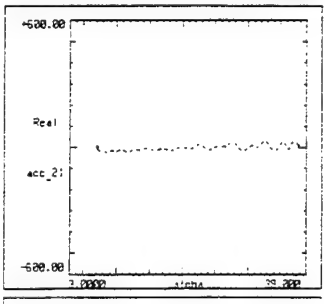










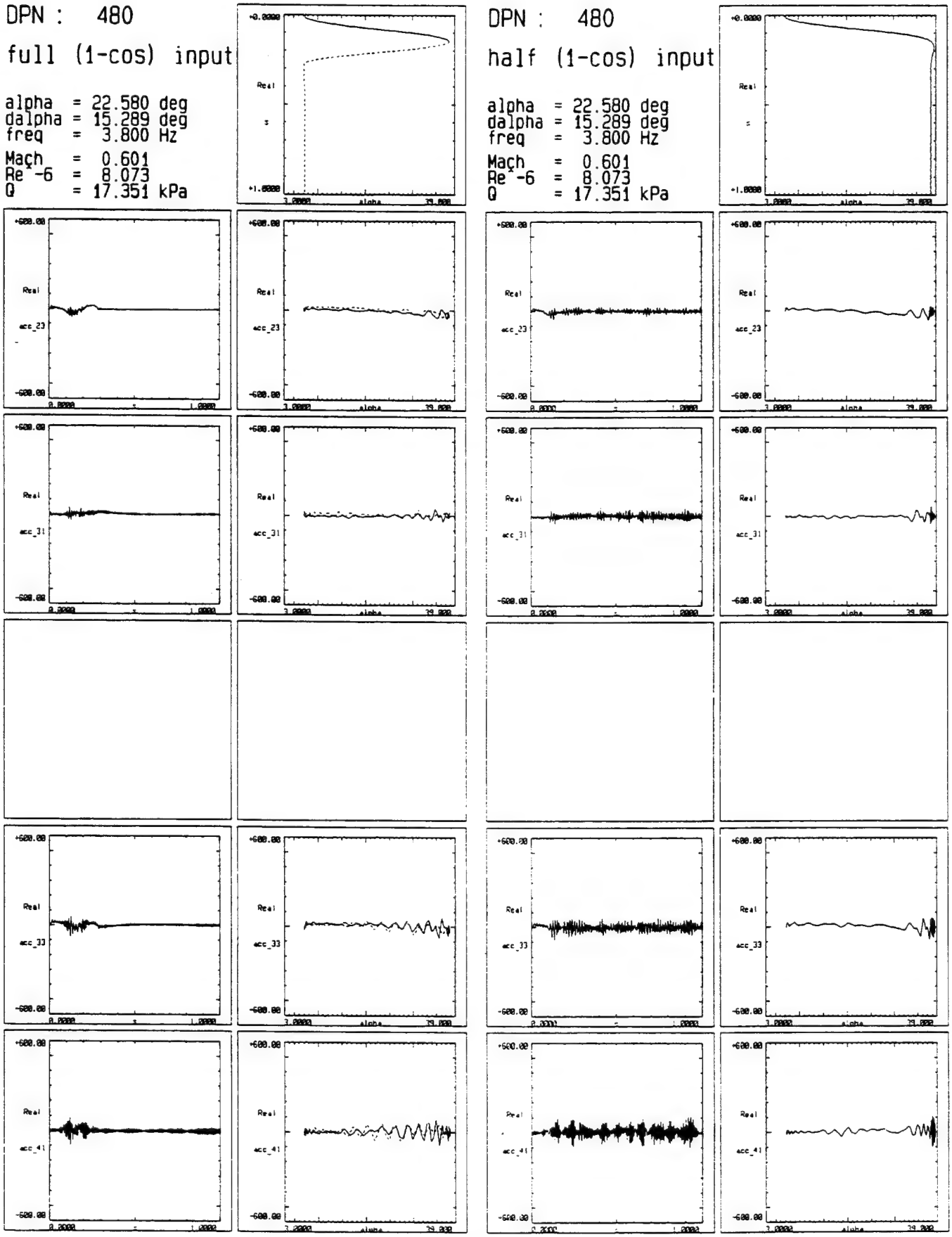


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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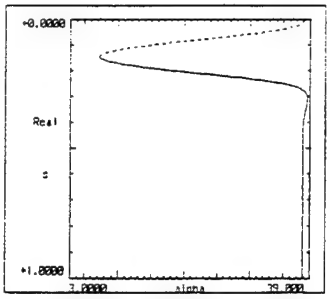

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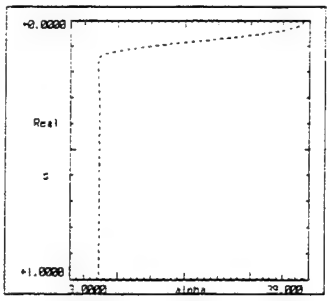

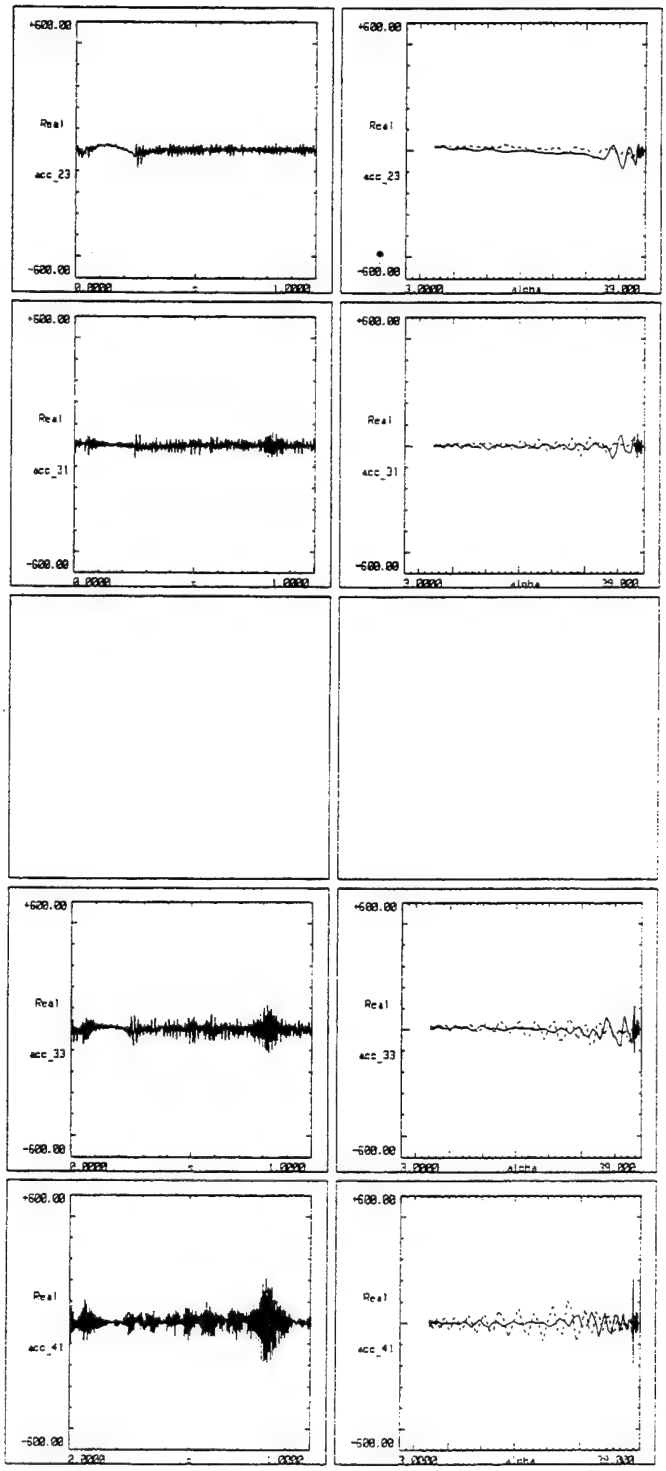

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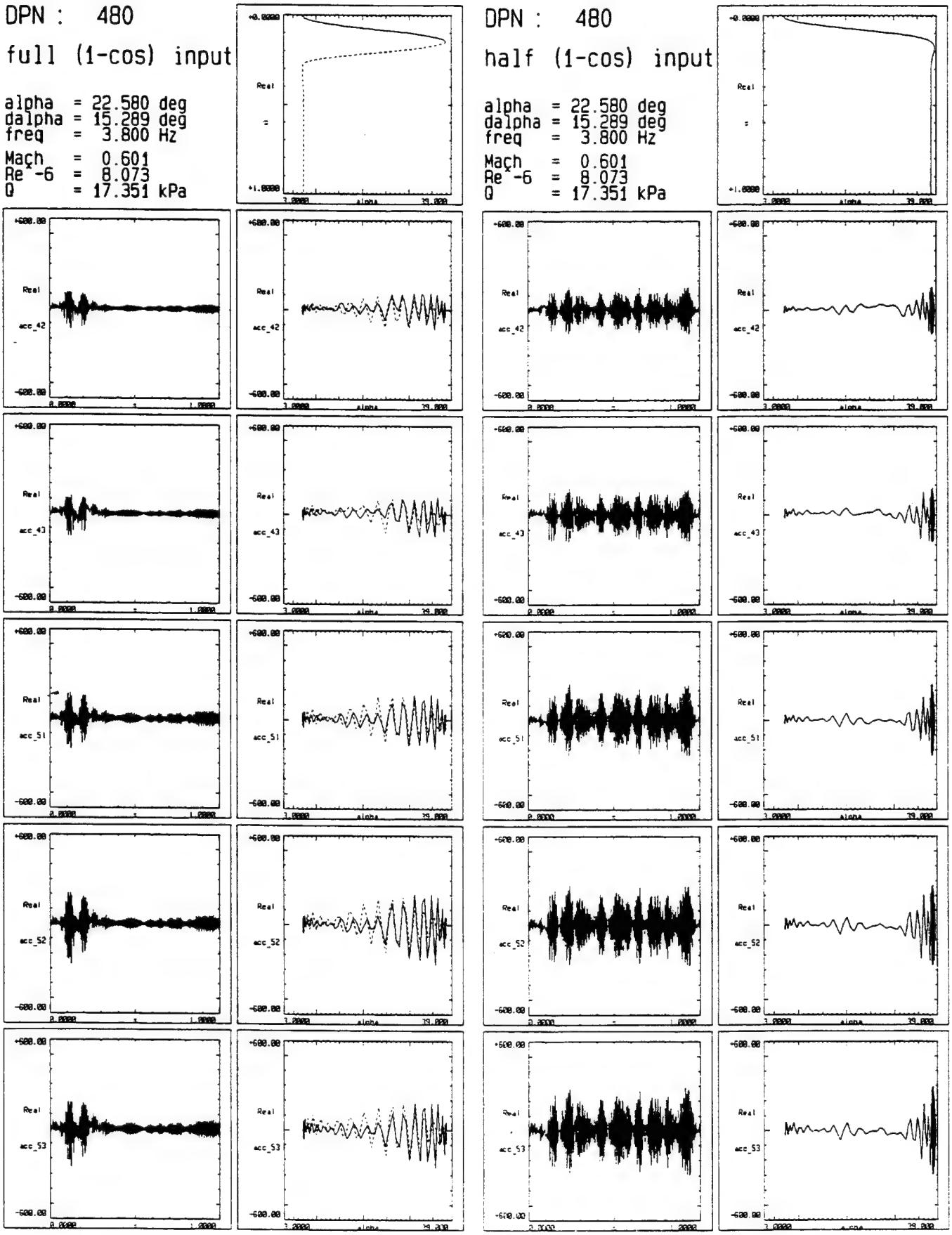

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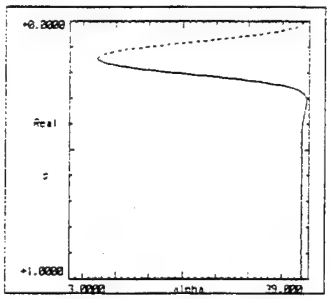

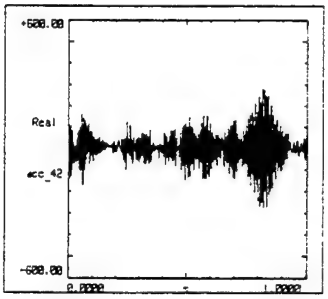

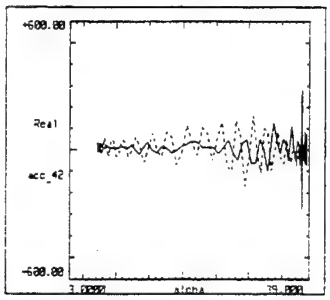

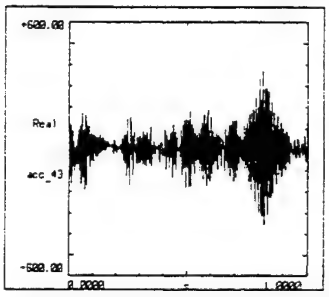

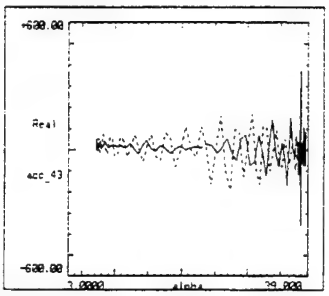

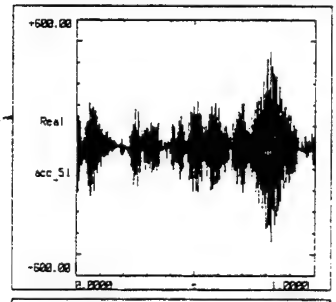

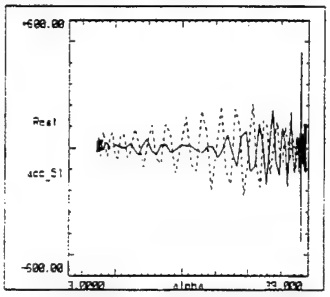

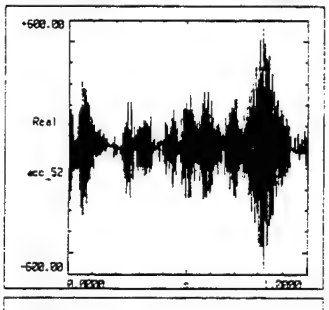

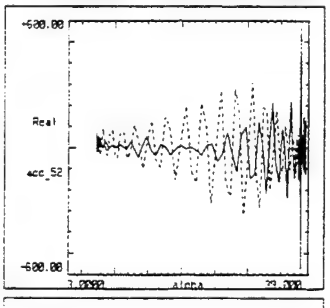

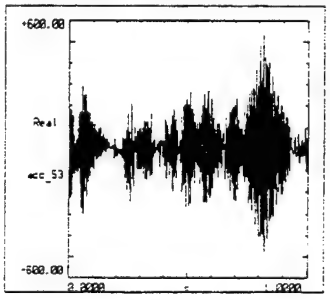

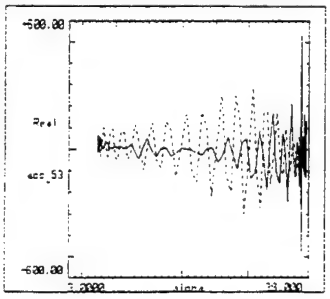

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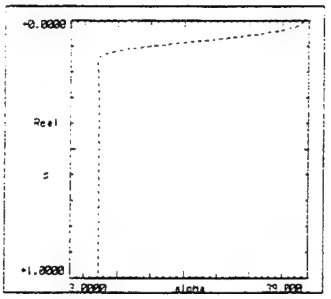

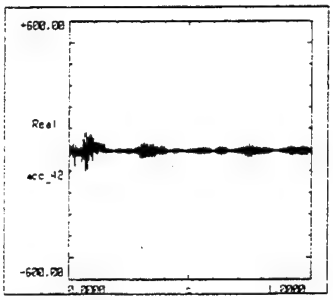

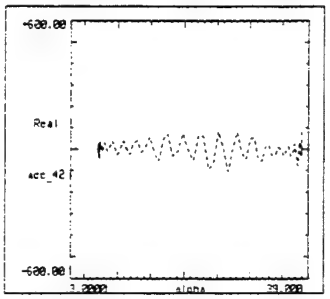

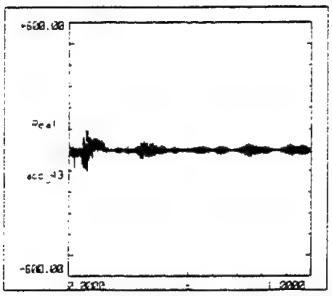

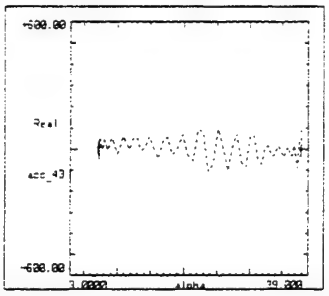

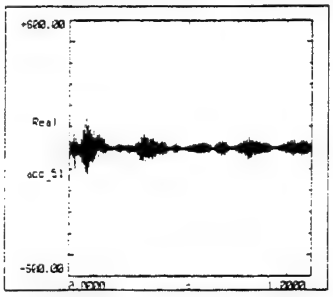

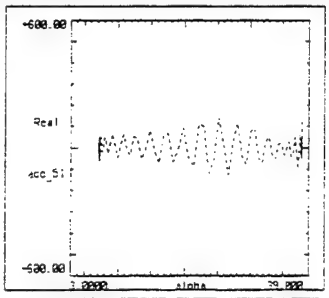

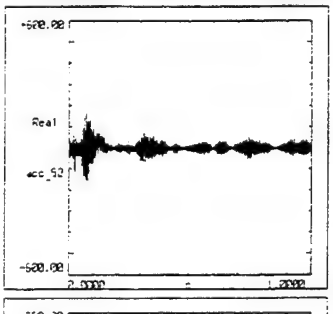

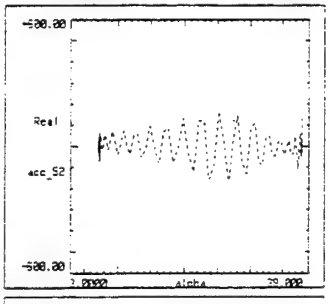

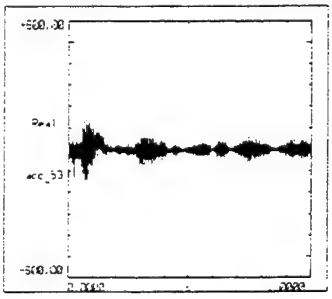

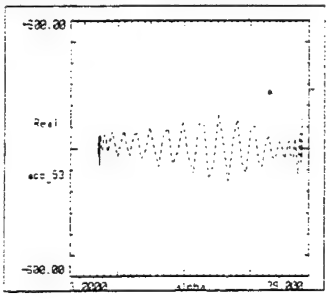

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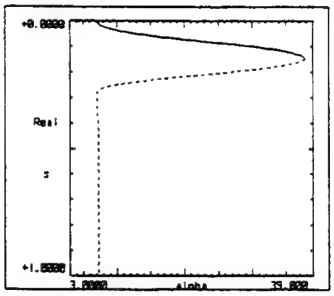

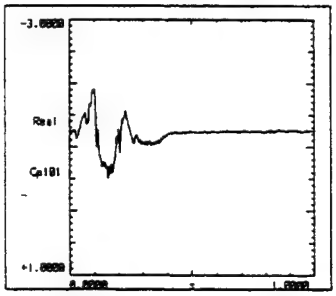

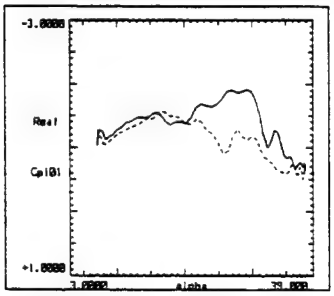

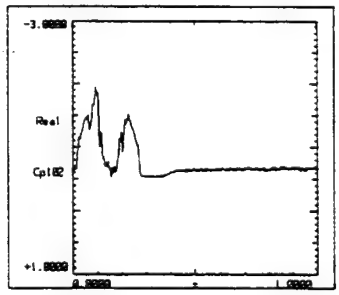

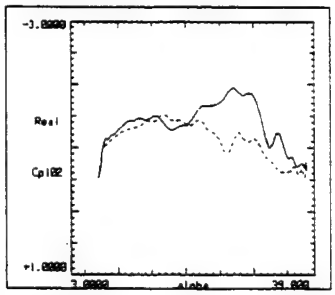

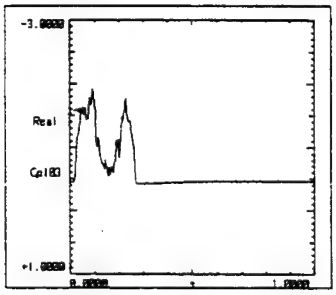

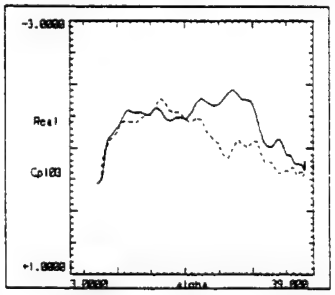

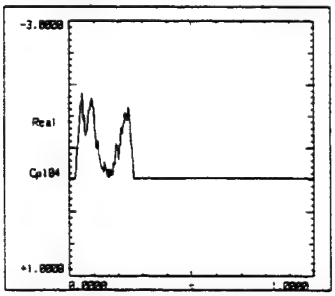

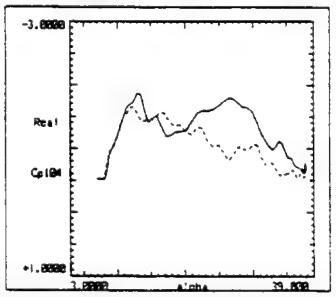

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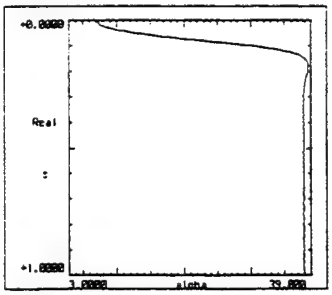

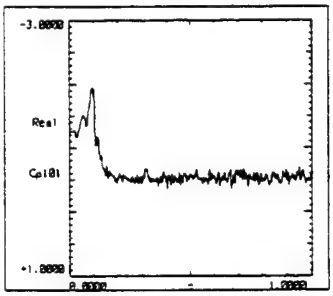

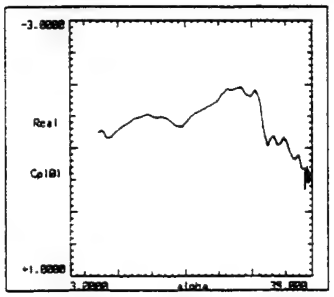

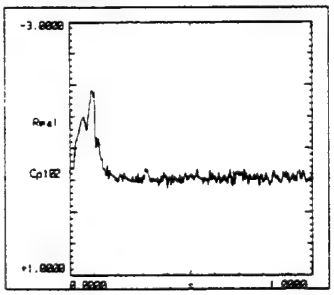

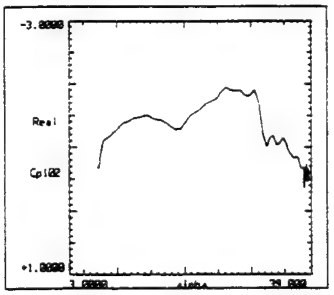

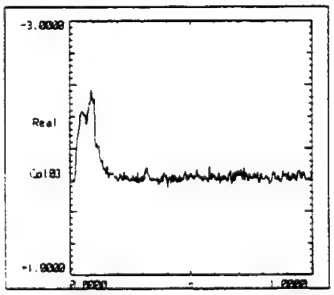

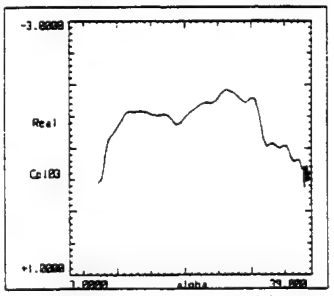

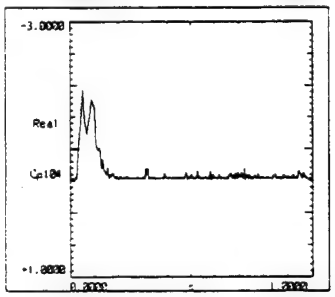

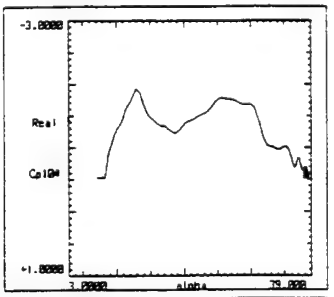

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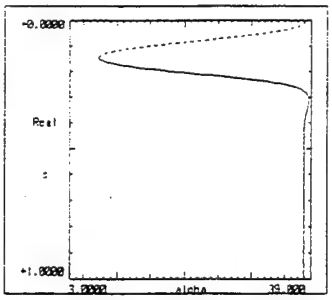
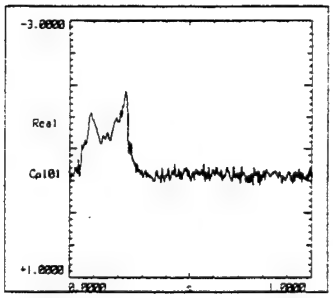
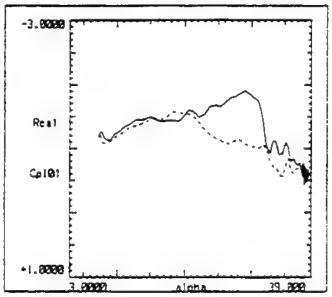
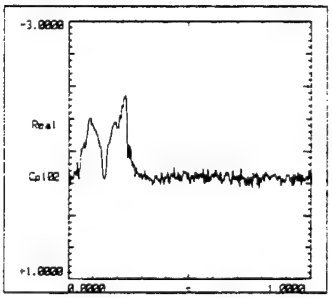
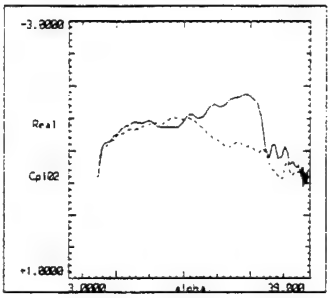
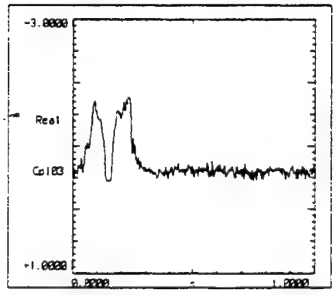


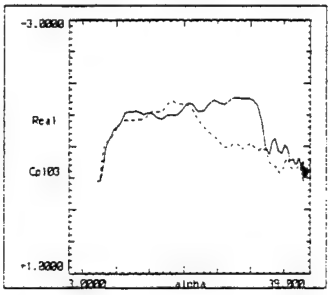


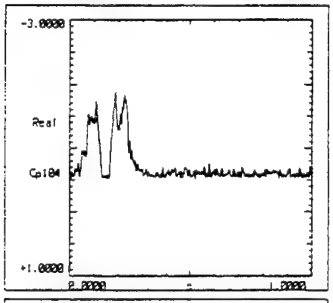


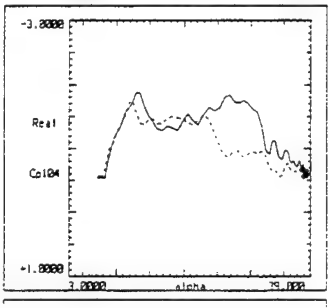










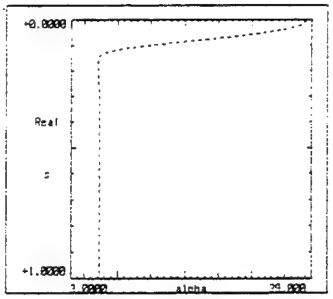


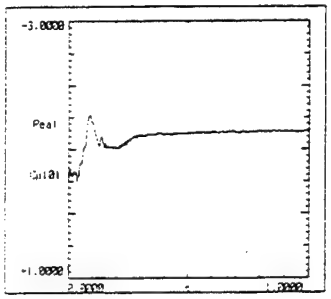
DPN : 480

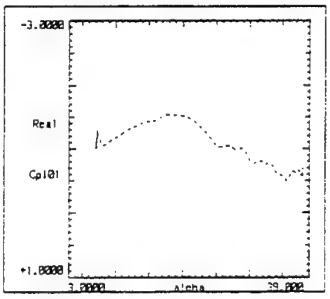
half cos input

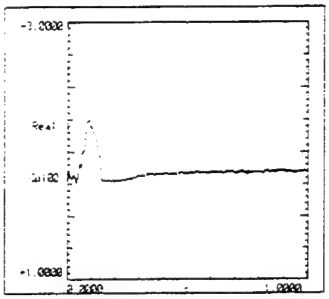
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

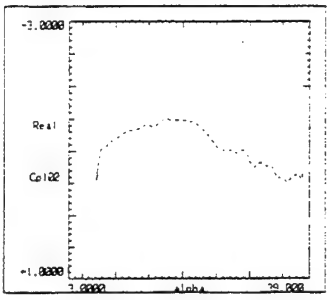
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

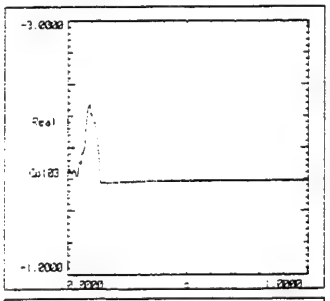


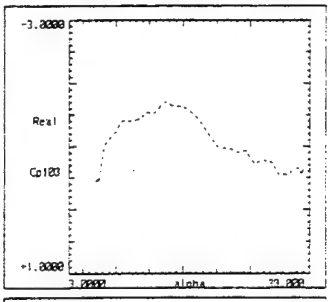


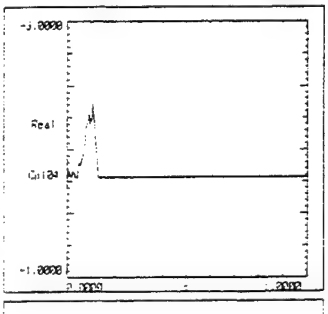


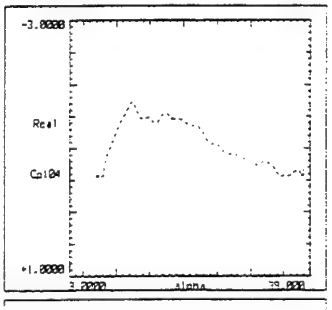










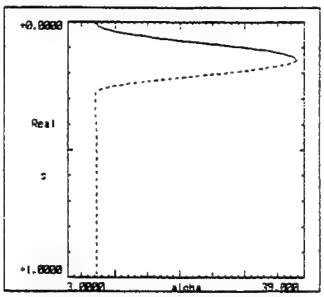


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa



DPN : 480

half (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re^-6 = 8.073
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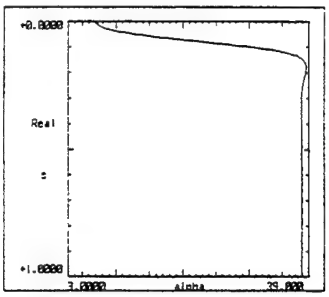
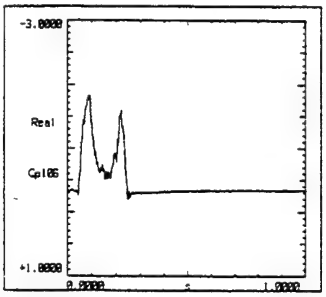
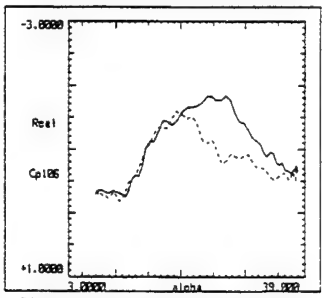
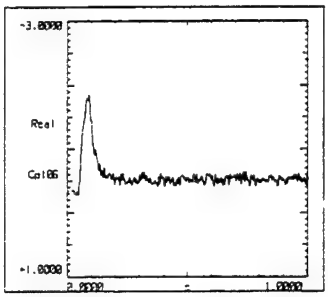
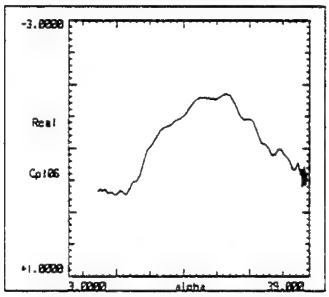
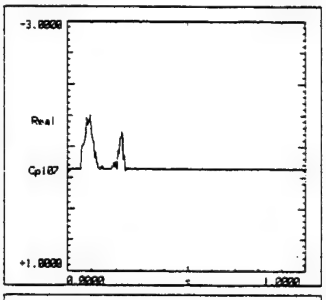


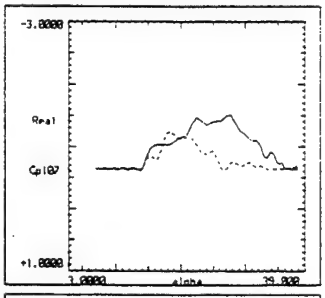


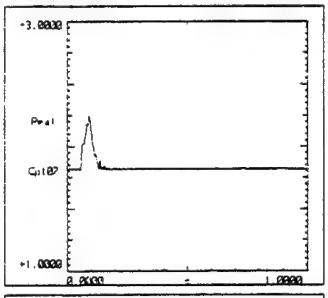


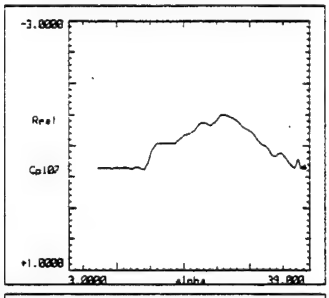


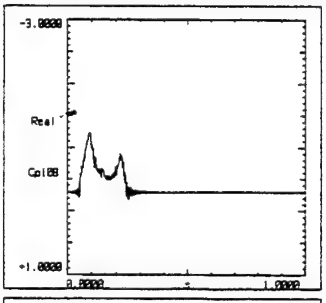


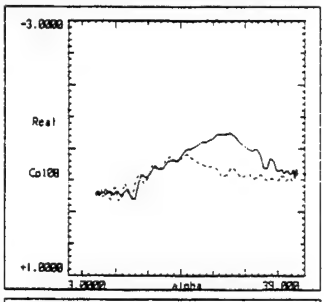


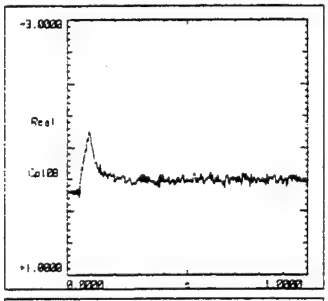


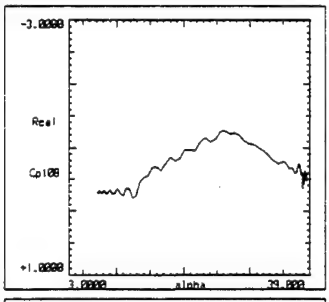


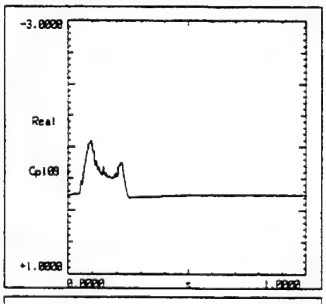


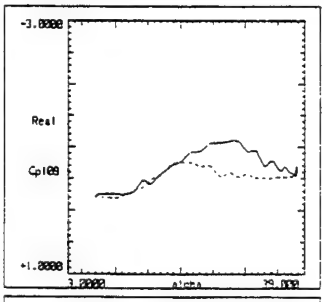


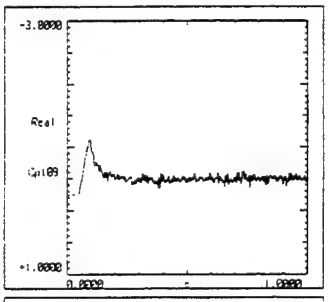


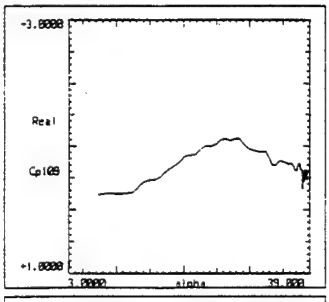


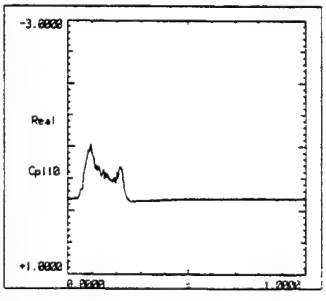


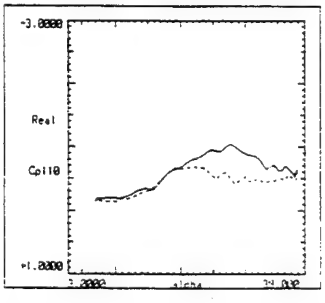


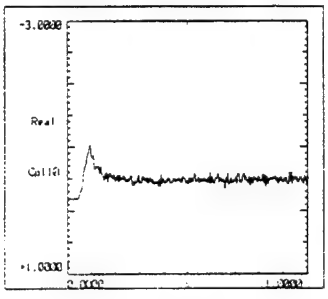


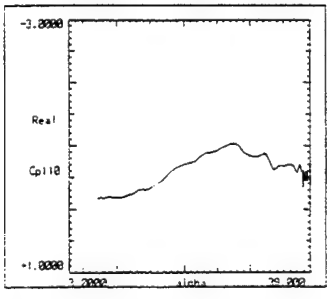










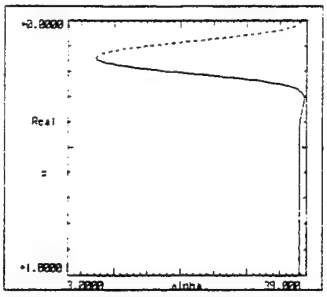


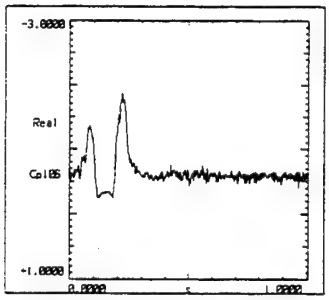
DPN : 480

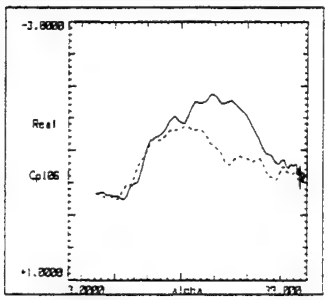
full cos input

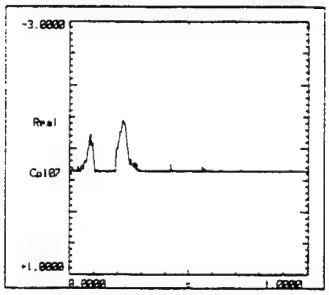
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

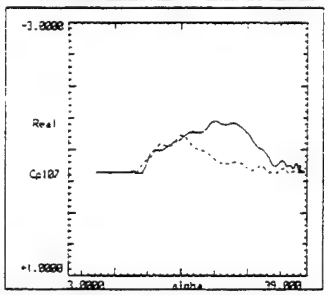
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

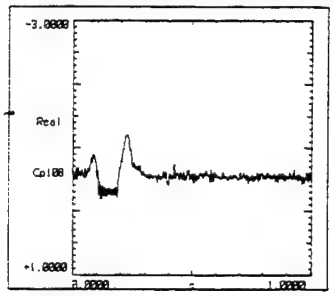


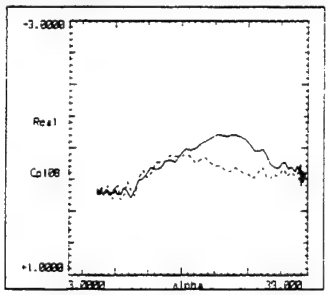


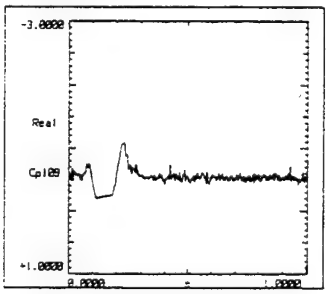


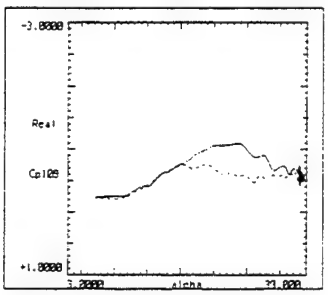


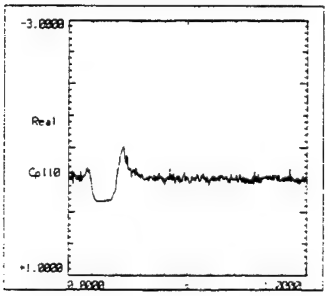


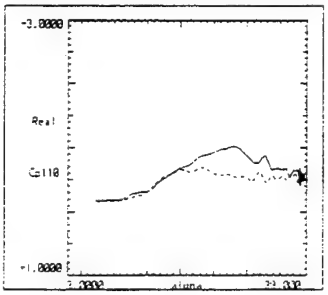












DPN : 480

half cos input

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Re^-6 = 8.073
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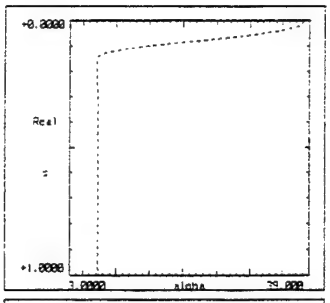

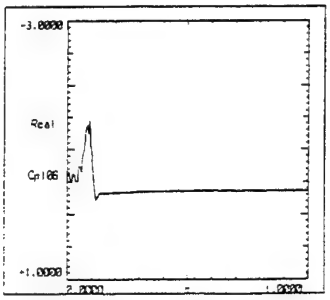

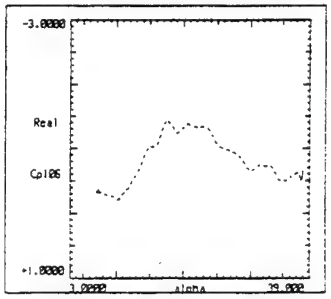

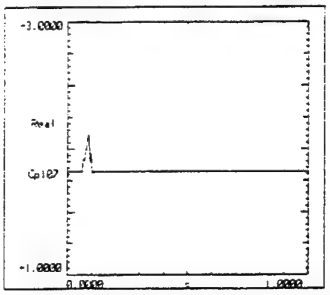

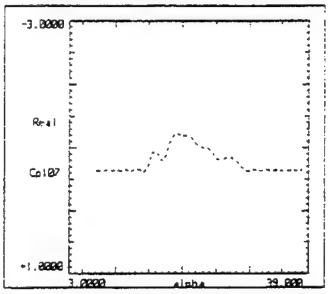

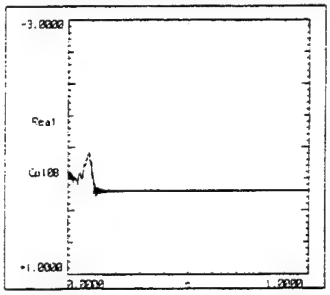

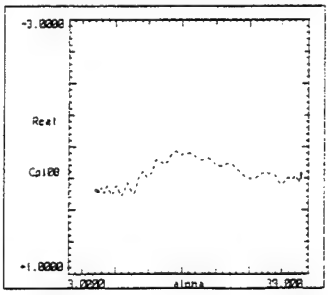

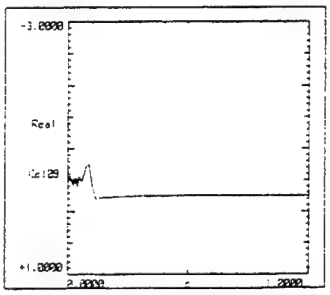

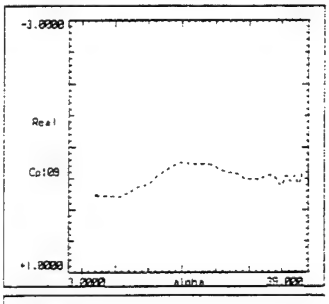

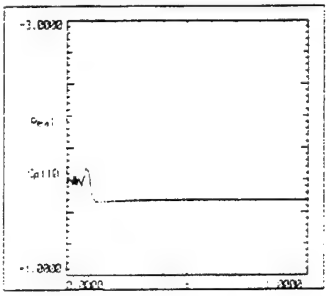

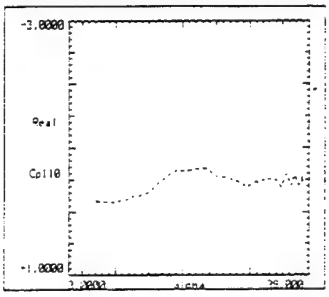

DPN : 480

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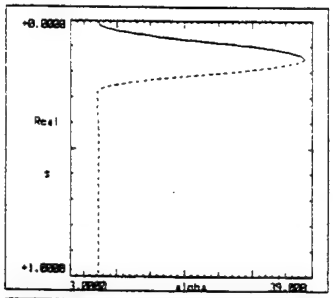
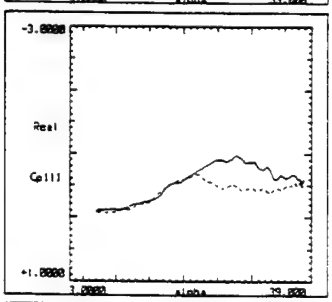
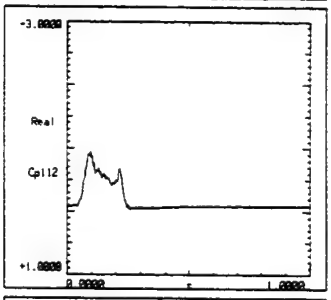
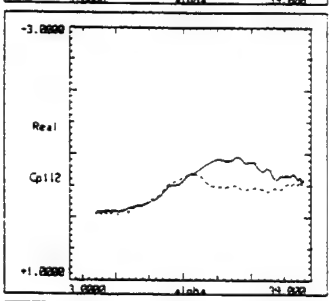
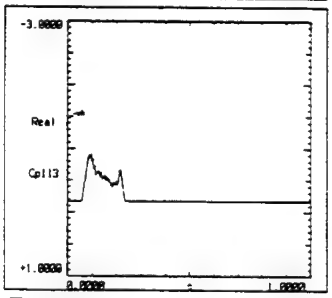
Re^-6 = 8.073
Q = 17.351 kPa

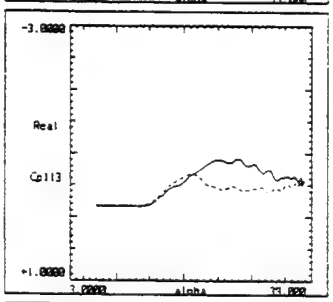


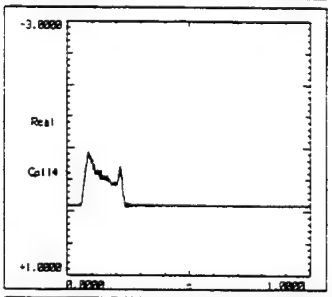


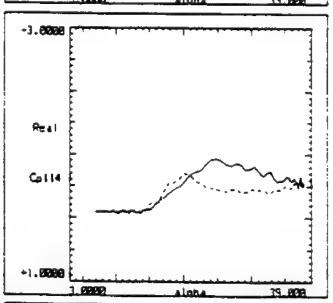


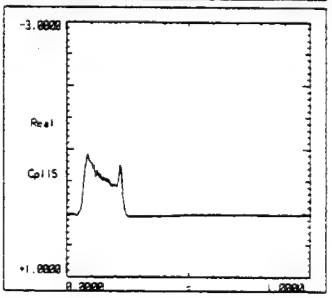


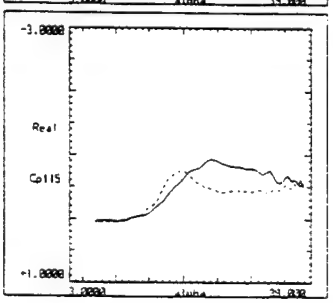










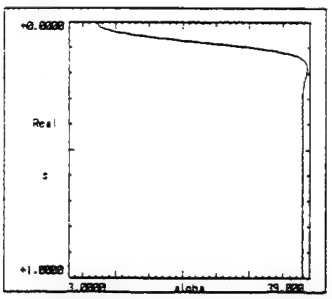


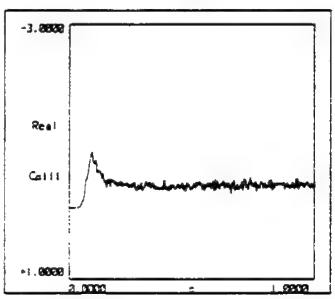
DPN : 480

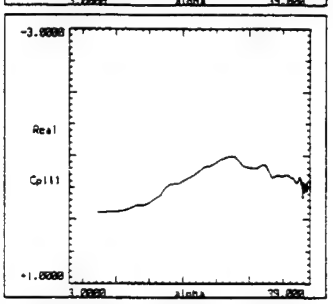
half (1-cos) input

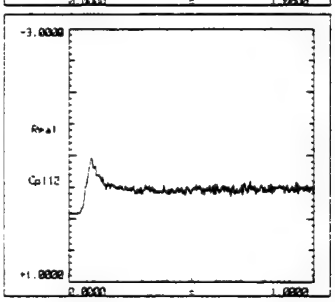
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

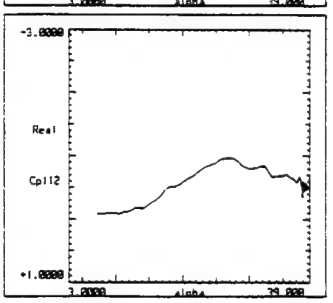
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

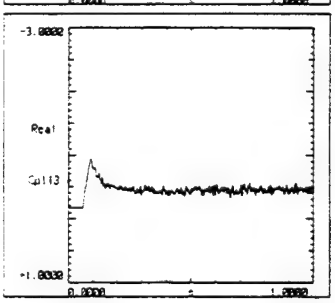


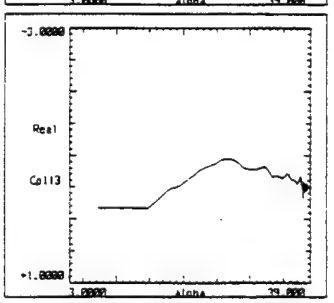


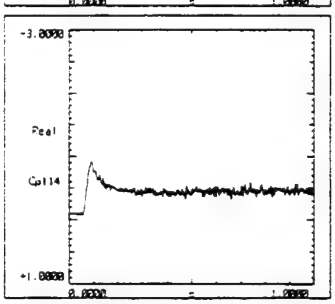


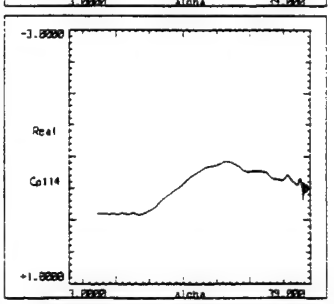


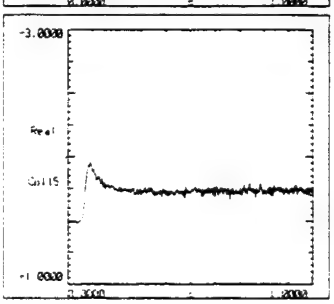


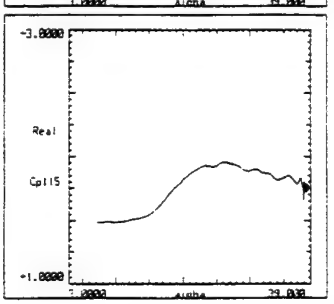










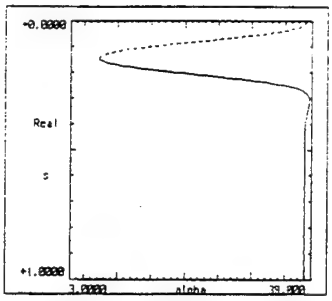


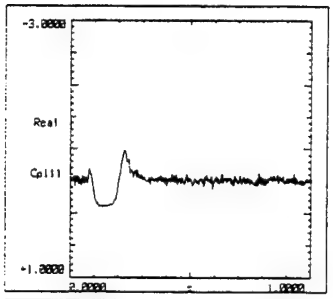
DPN : 480

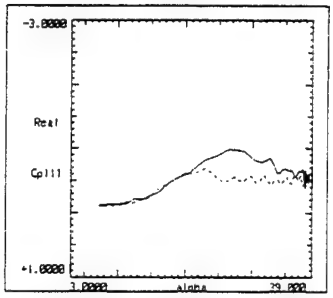
full cos input

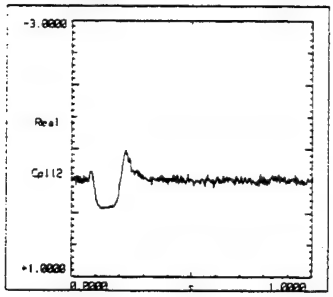
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

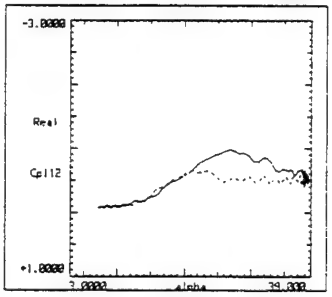
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

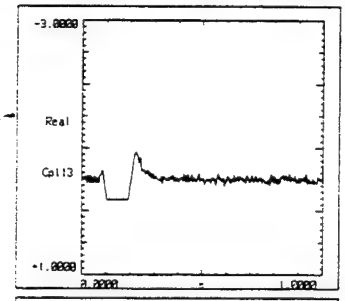


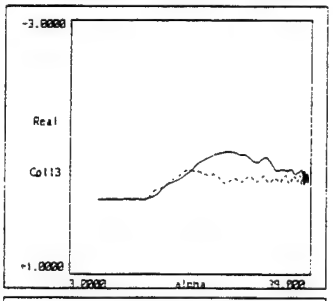


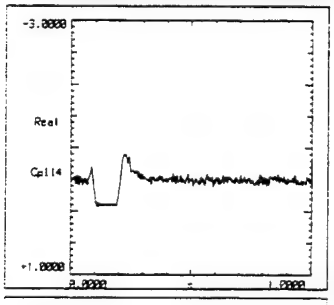


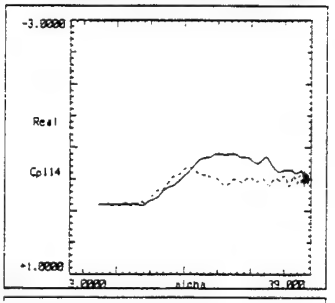


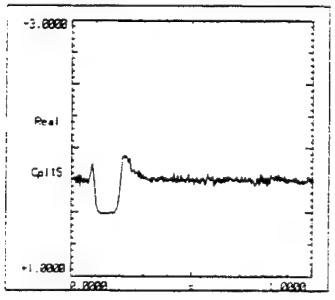


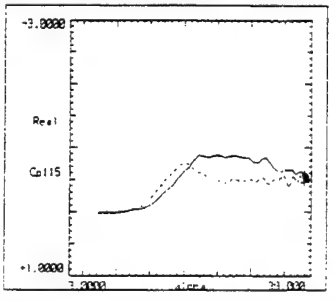










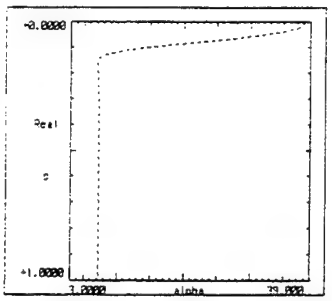


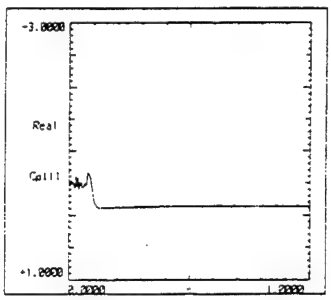
DPN : 480

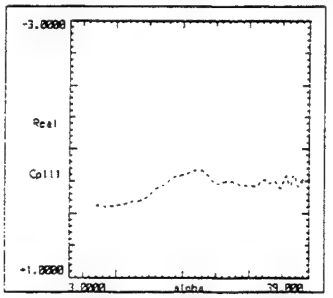
half cos input

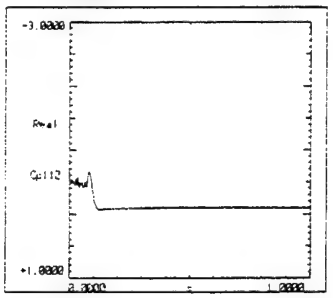
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

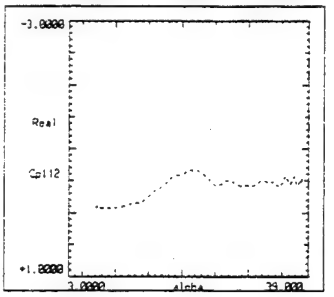
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

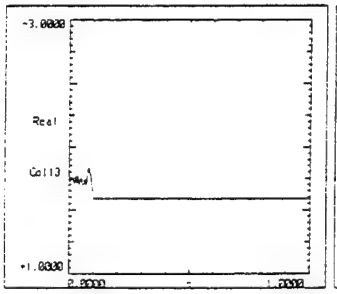


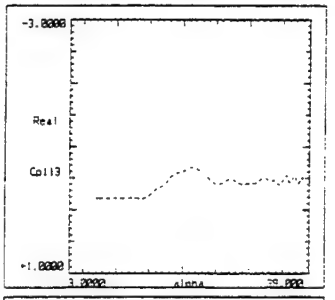


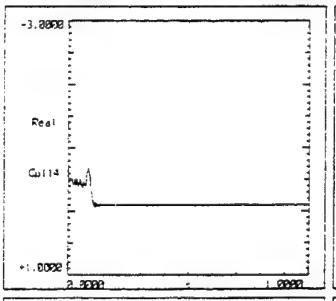


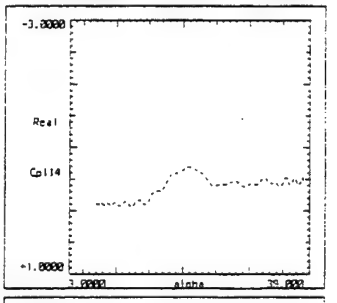


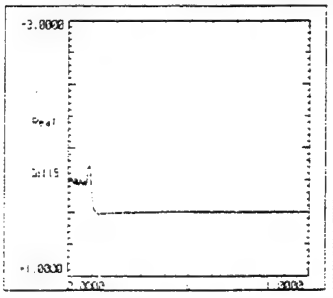


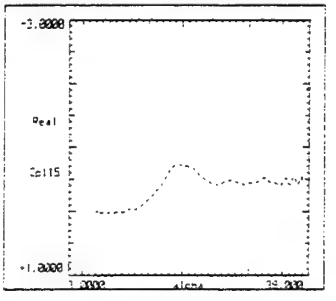










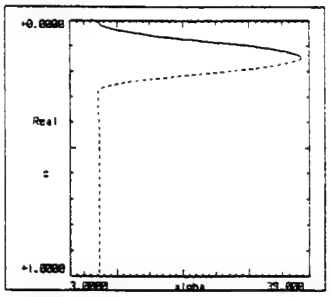


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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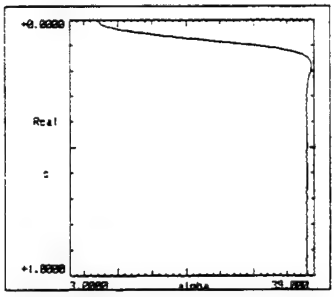

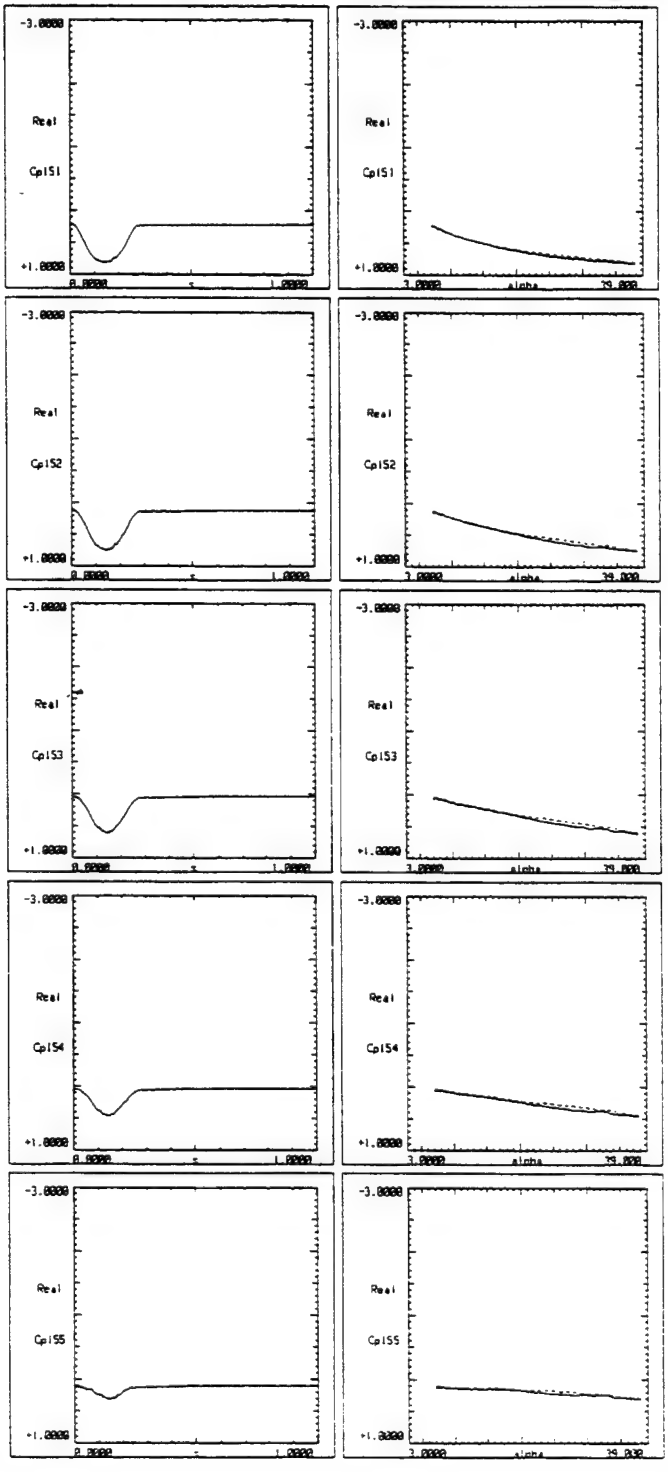

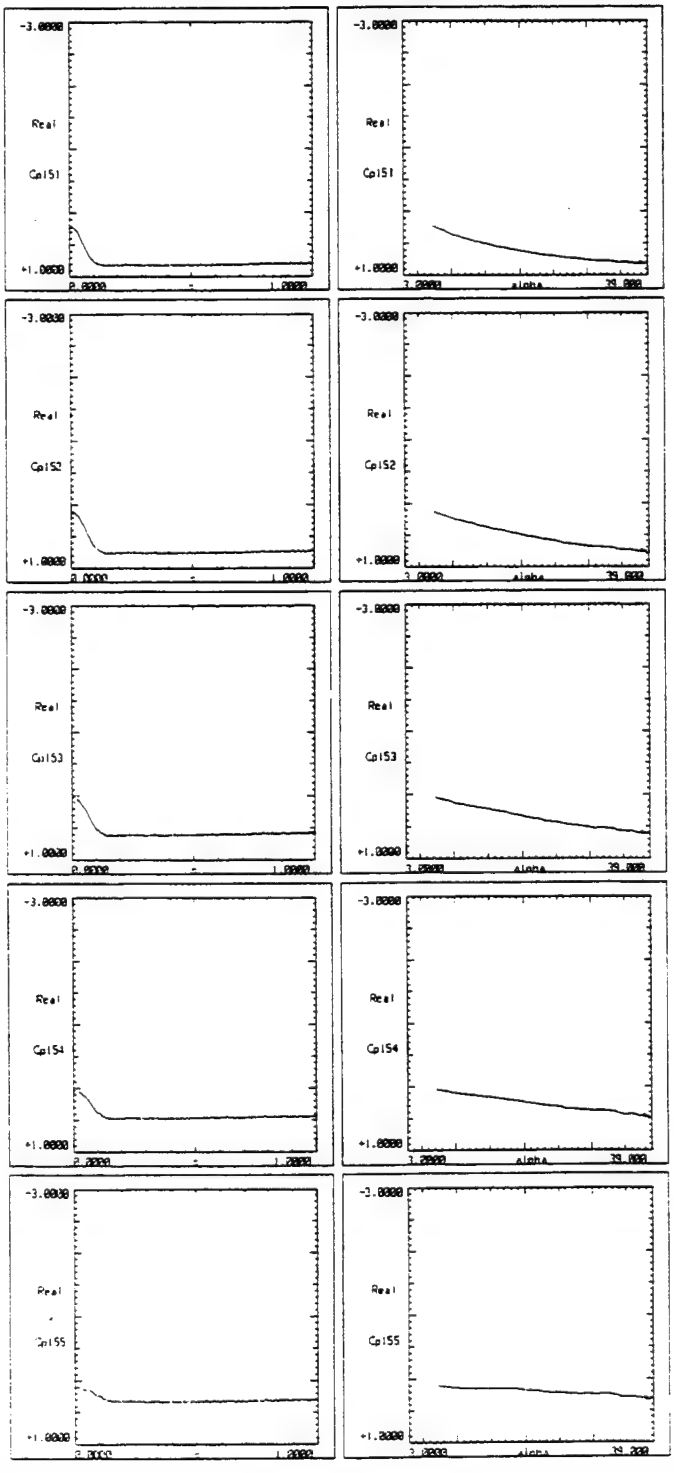

DPN : 480

full cos input

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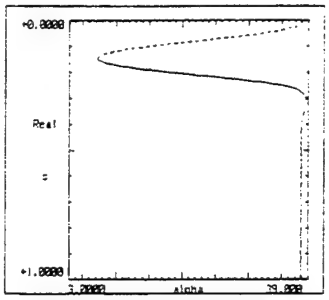

DPN : 480

half cos input

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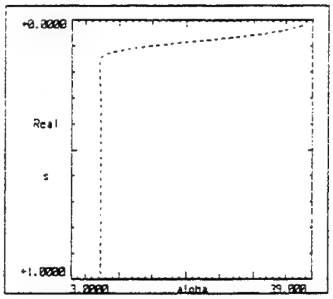
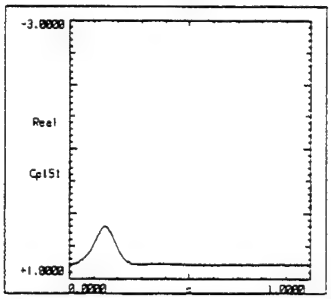
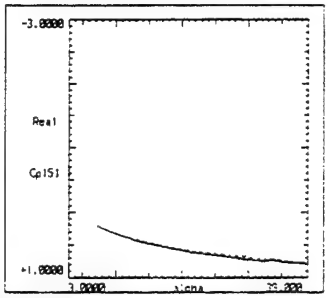
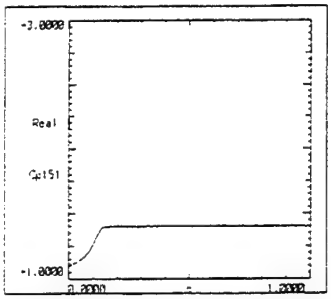
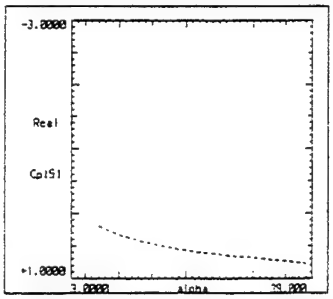
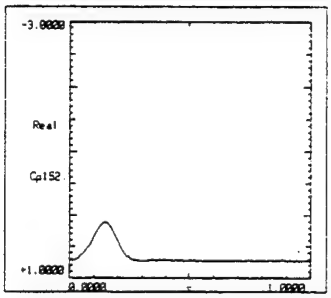


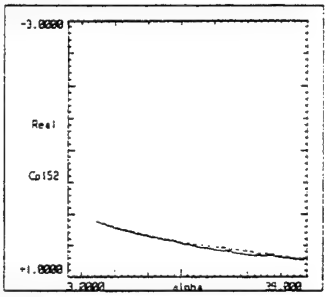


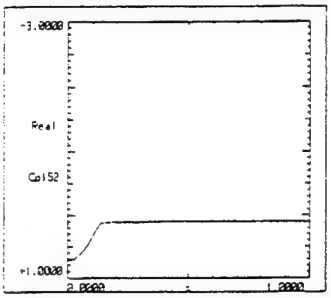


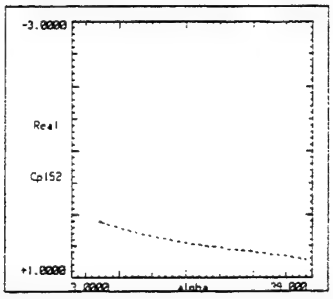


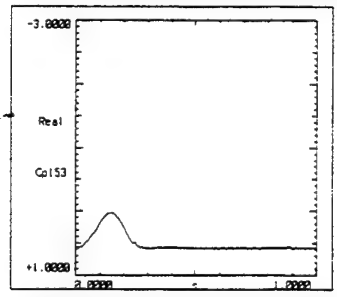


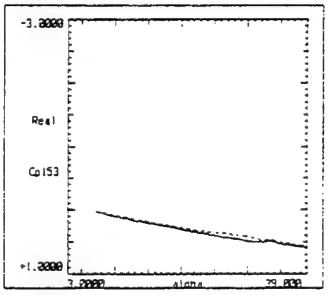


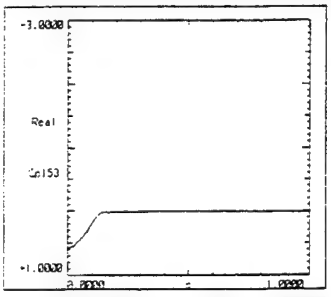


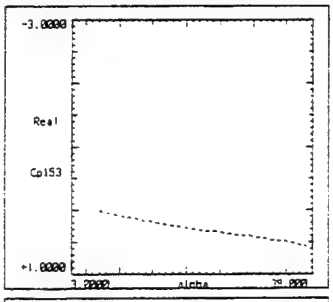


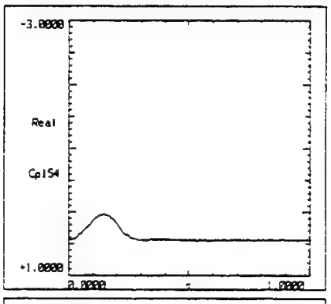


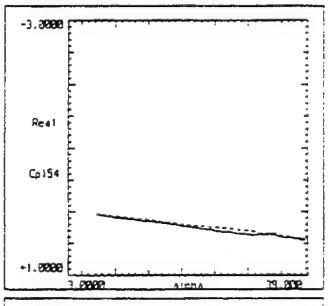


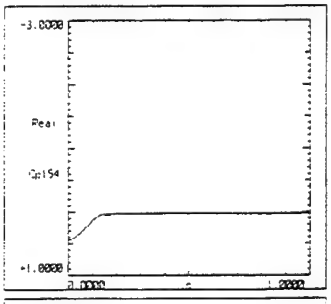


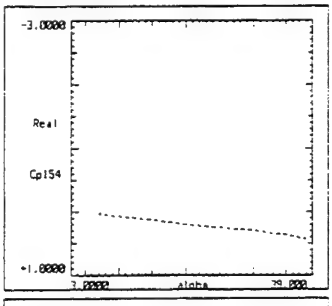


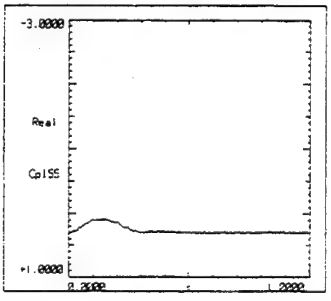


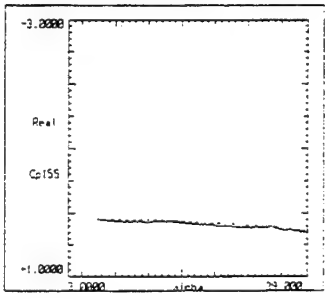


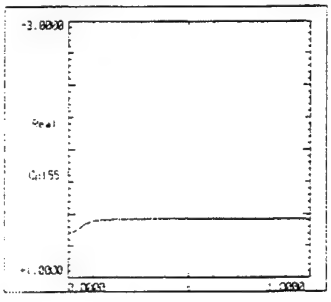


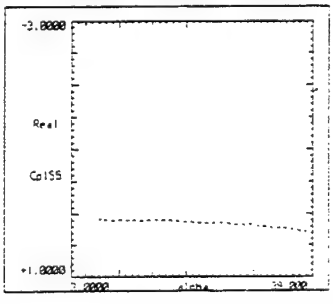










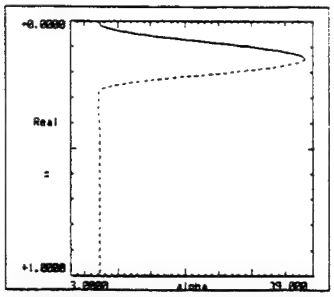


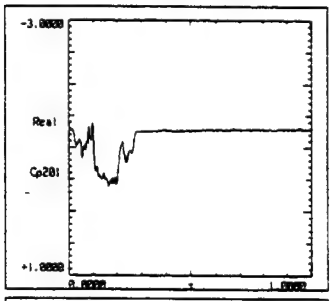
DPN : 480

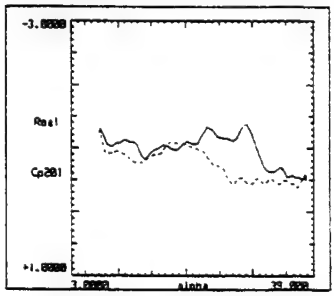
full (1-cos) input

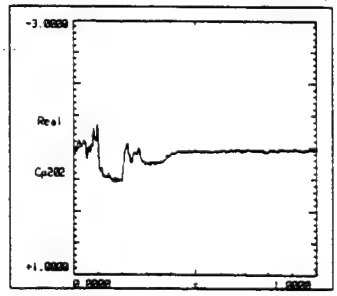
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

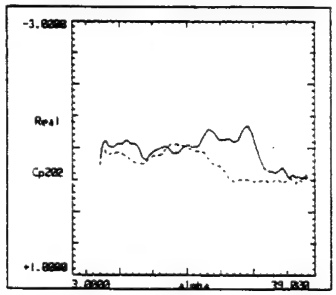
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

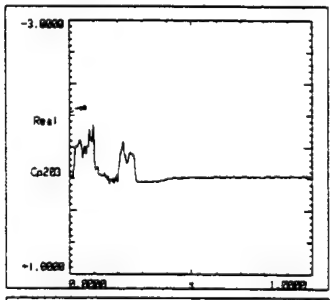


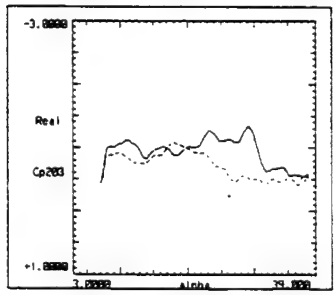


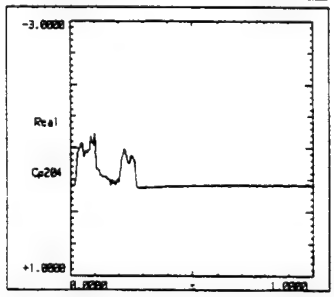


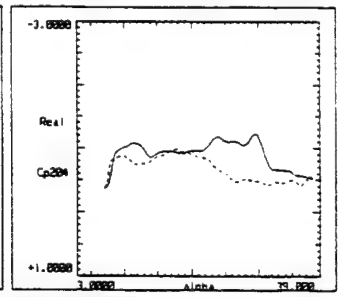


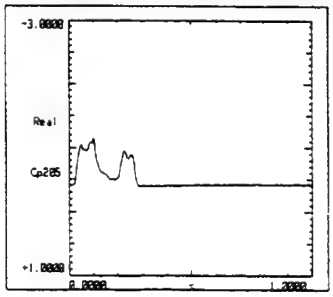


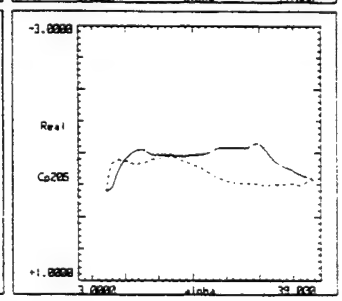












DPN : 480

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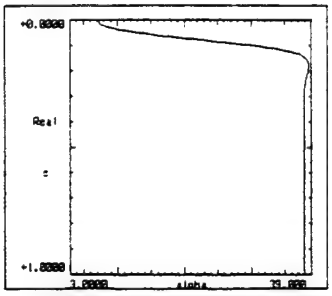
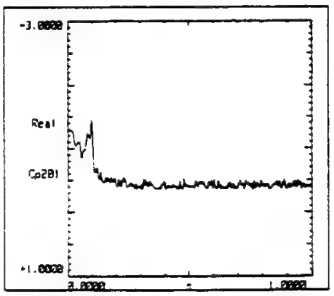
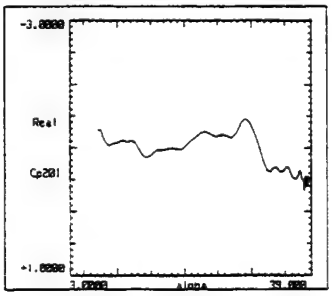
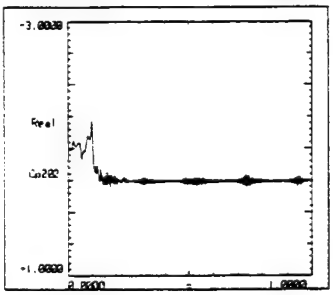
freq = 3.800 Hz

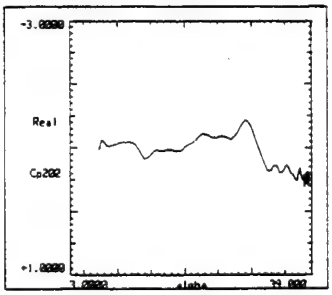
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

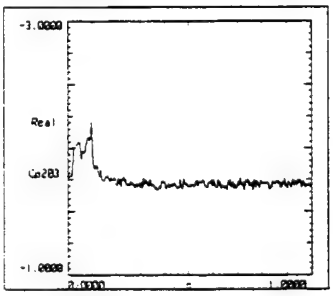


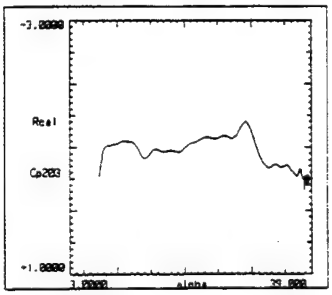


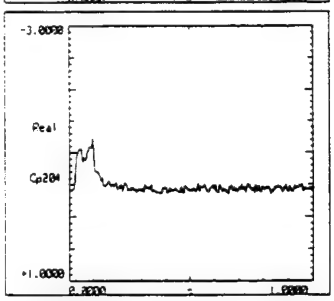


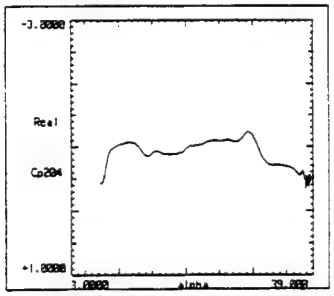


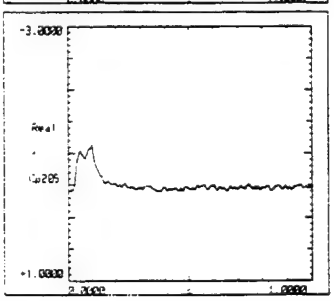


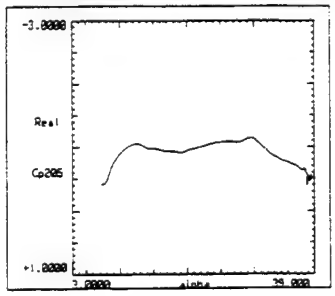










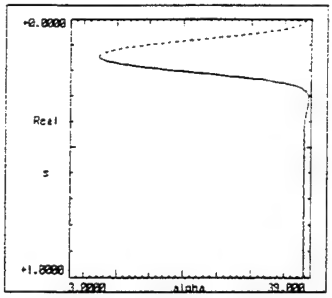


DPN : 480

full cos input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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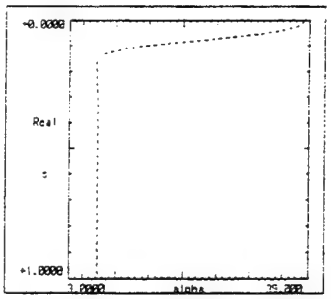

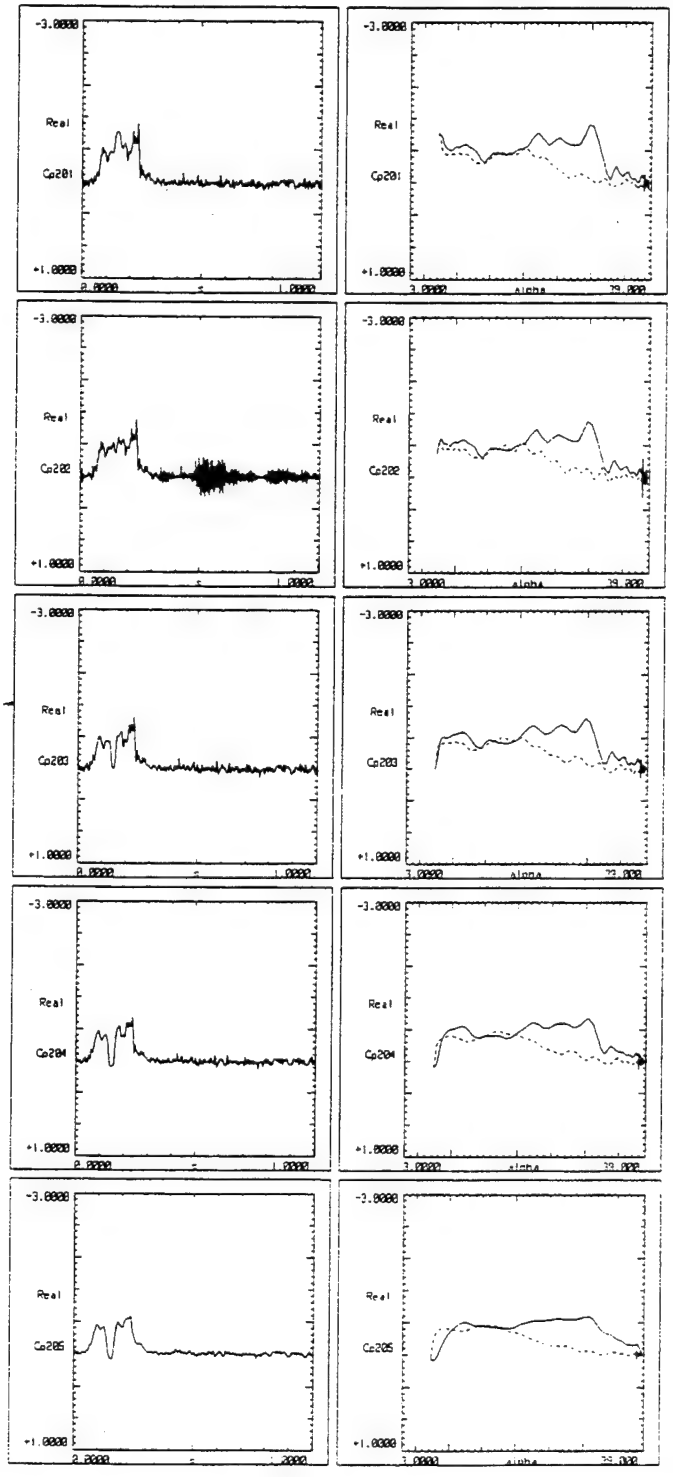

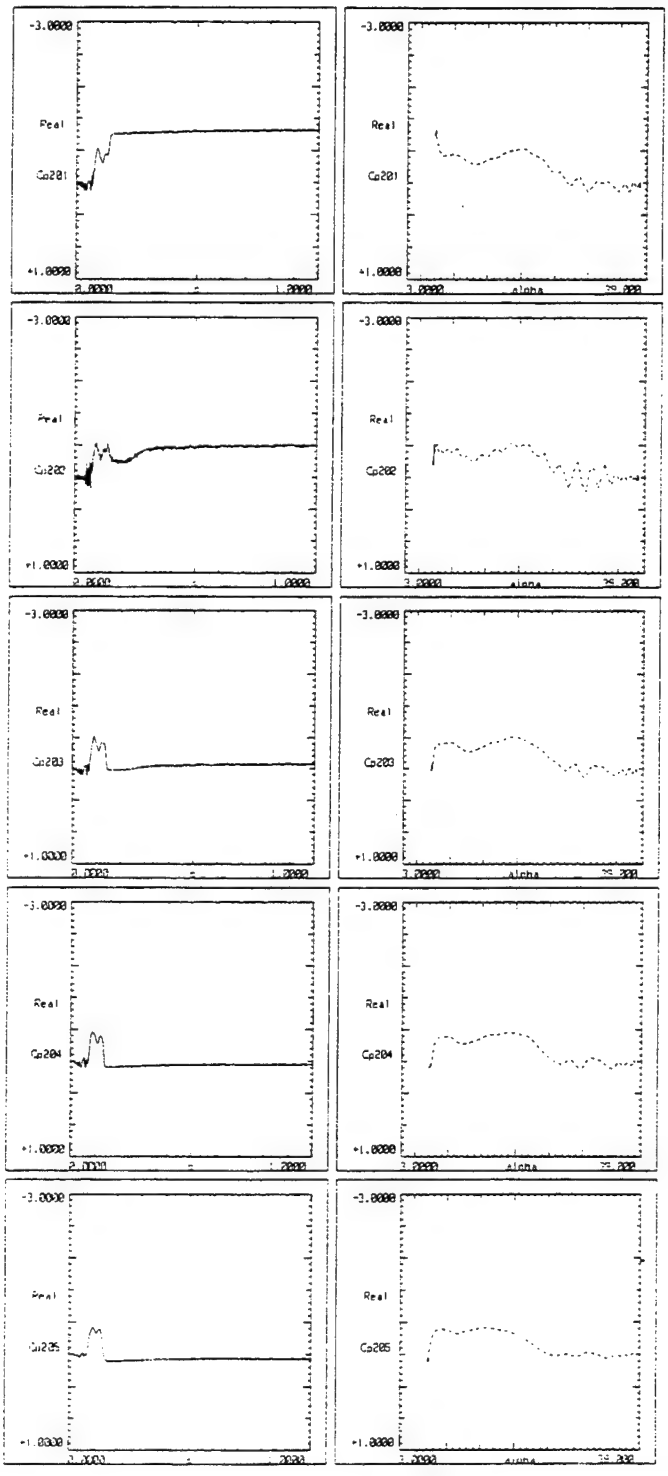

DPN : 480

full (1-cos) input

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dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
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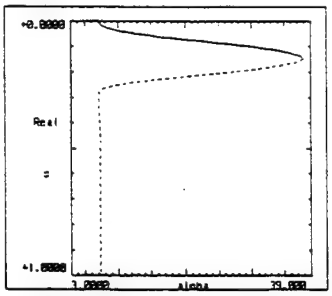
Q = 17.351 kPa



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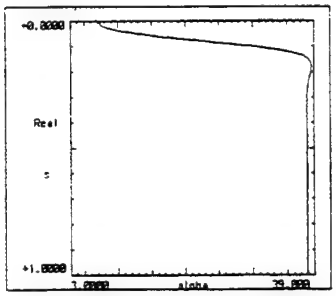

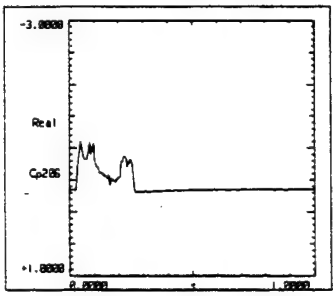

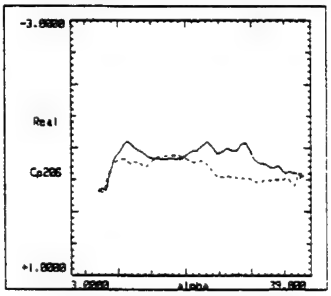

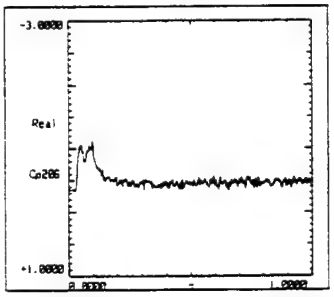

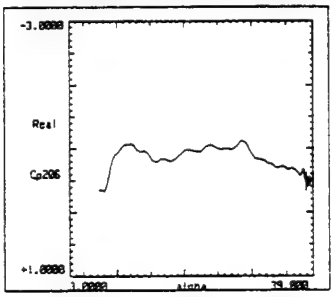

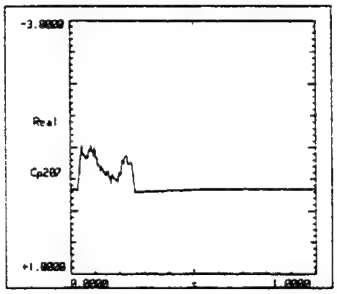

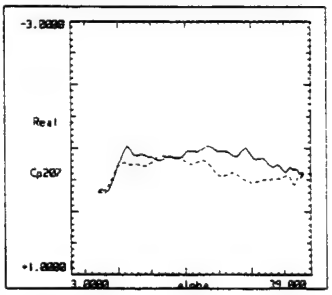

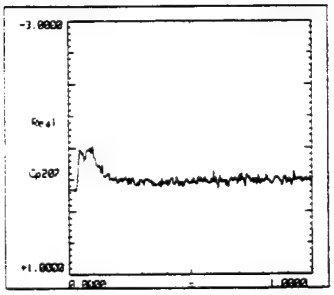

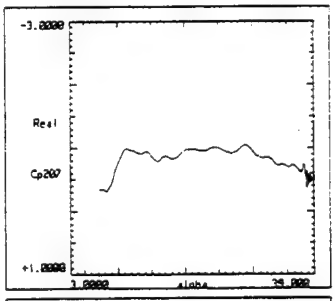

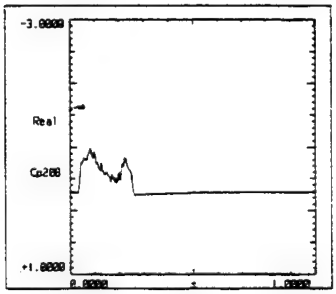

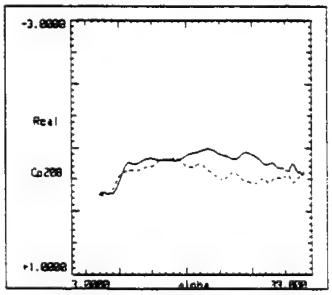

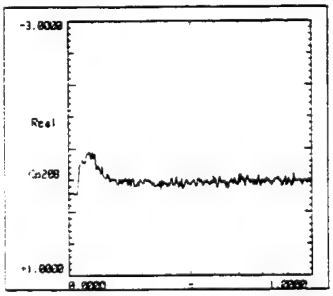

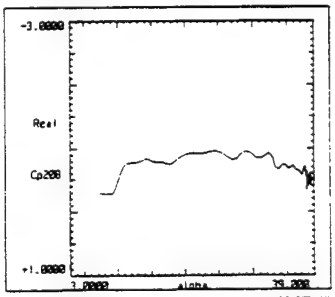

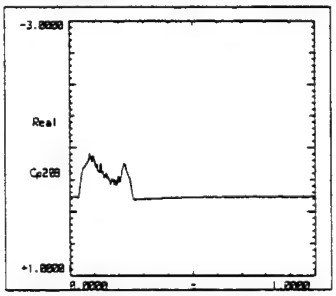

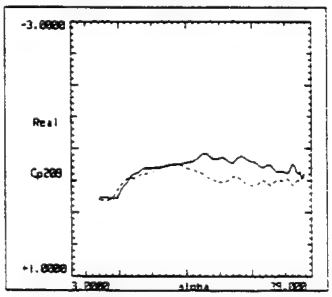

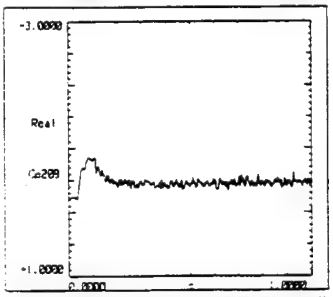

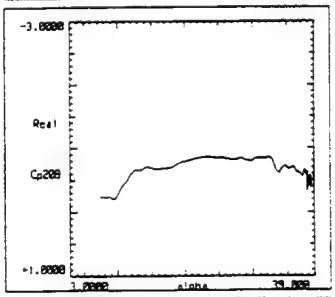

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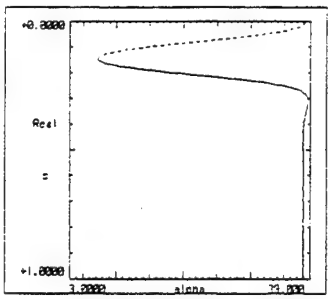
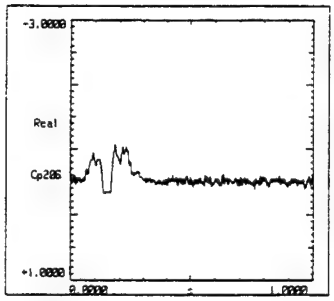
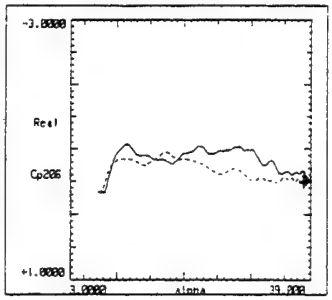
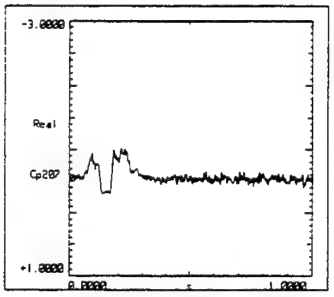
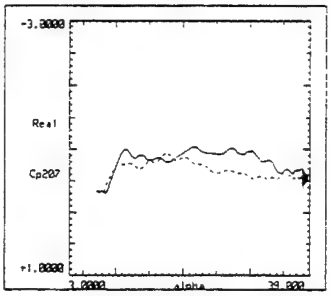
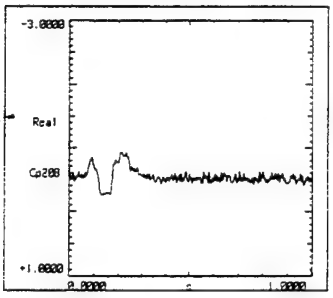


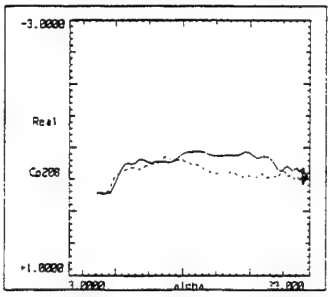


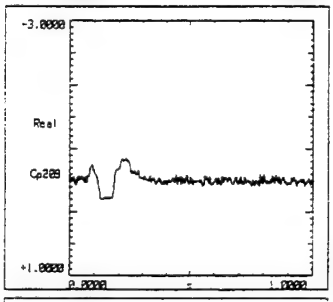


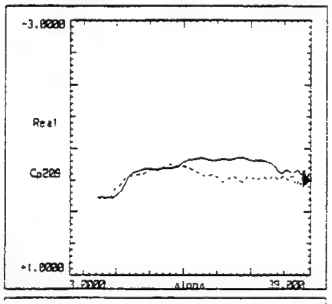










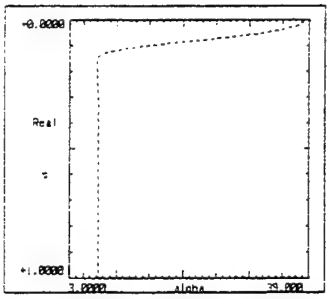


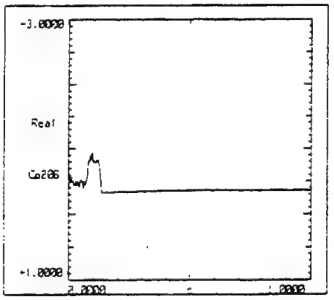
DPN : 480

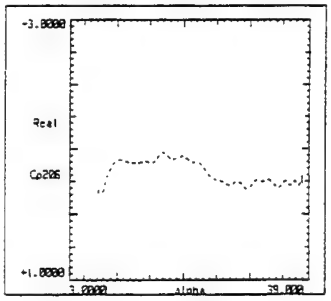
half cos input

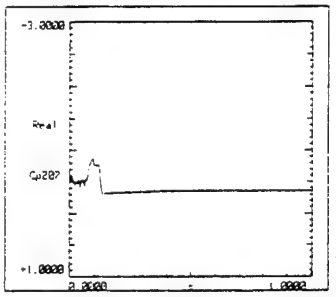
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

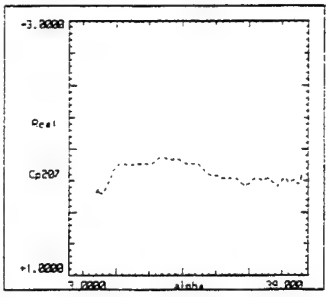
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

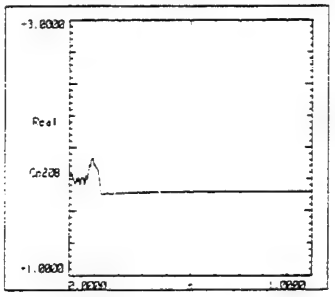


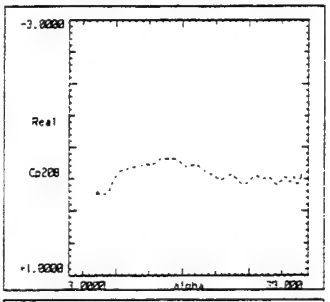


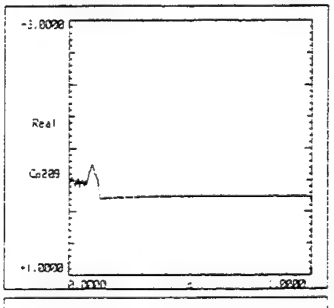


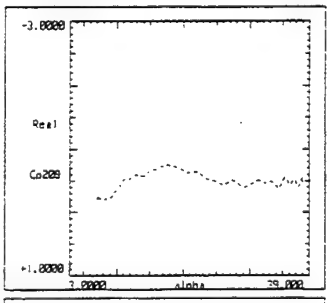












DPN : 480

full (1-cos) input

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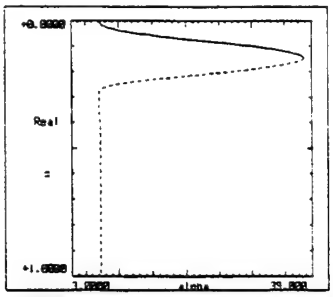

DPN : 480

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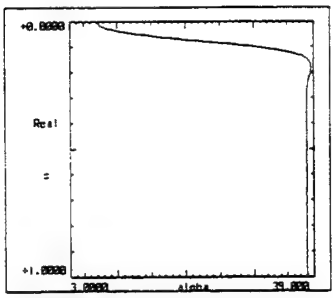

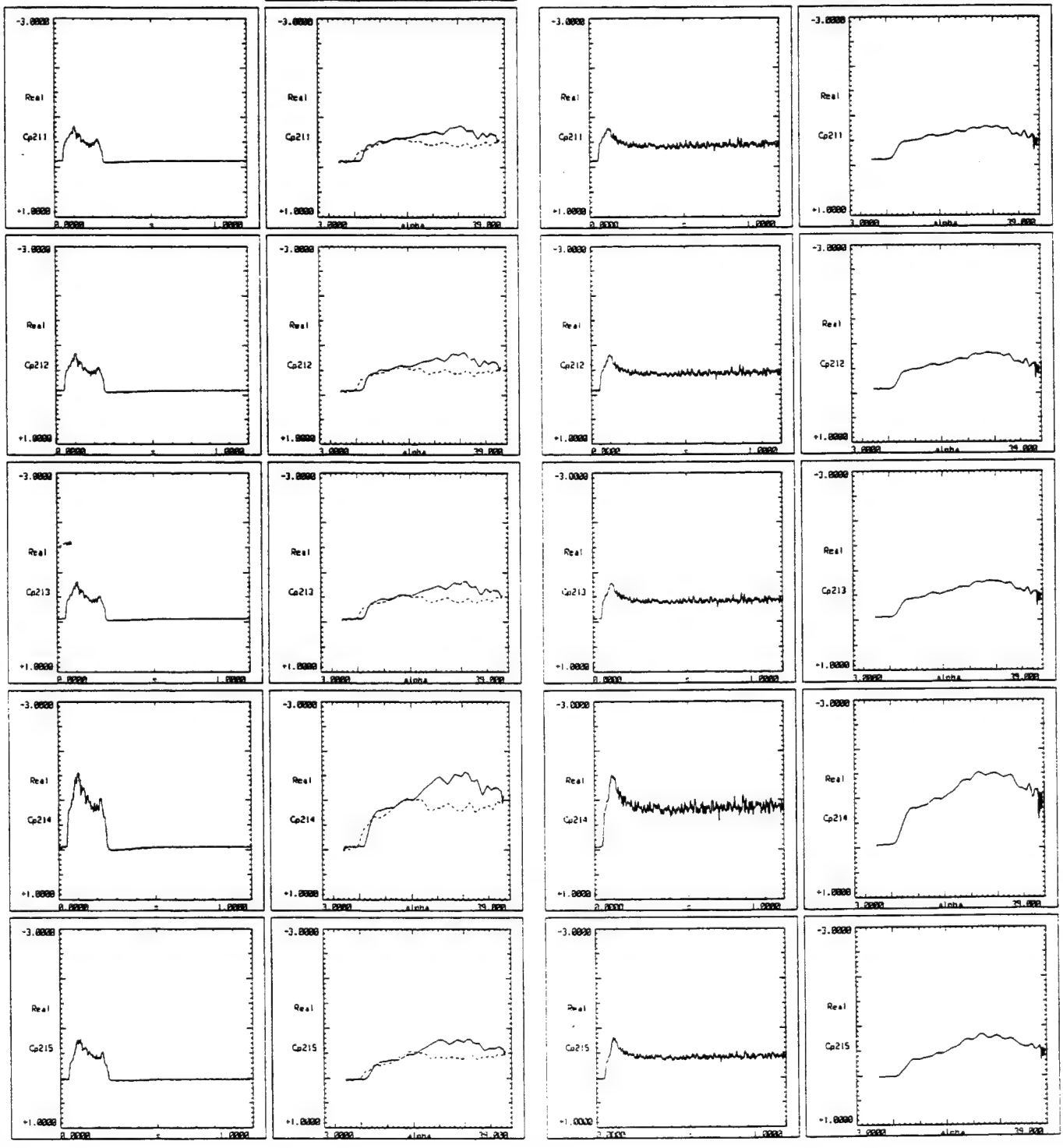

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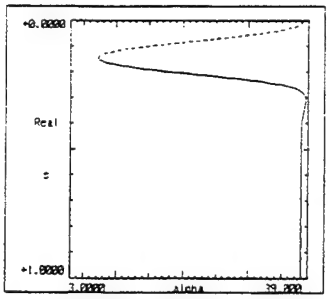

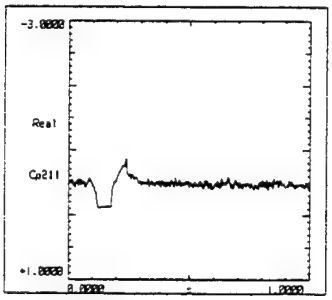

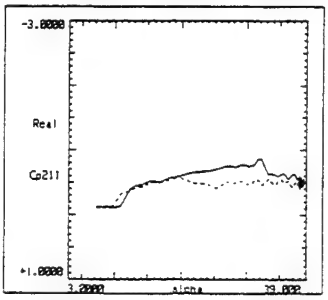

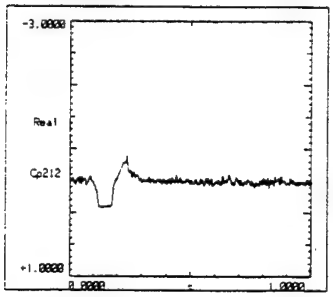

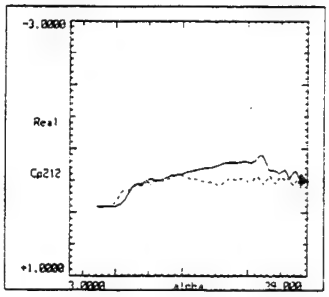

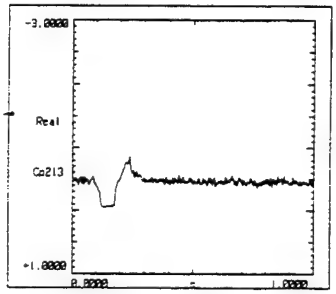

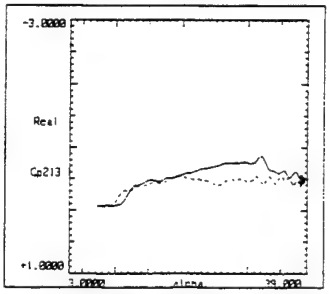

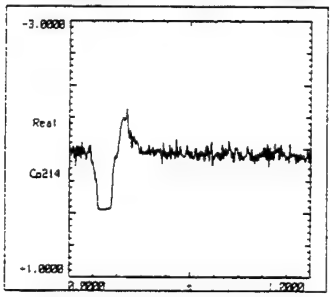

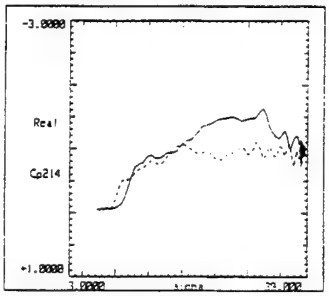

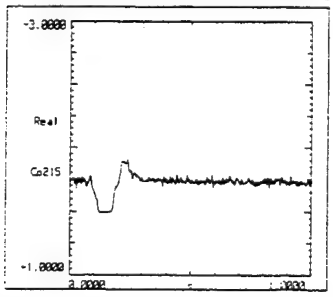

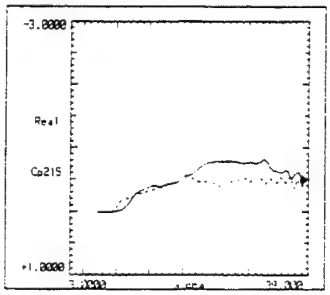

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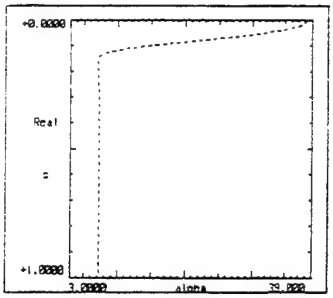

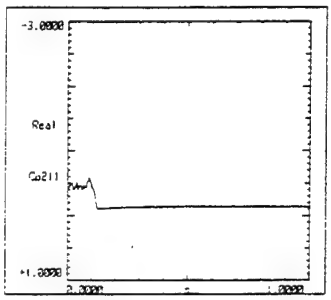

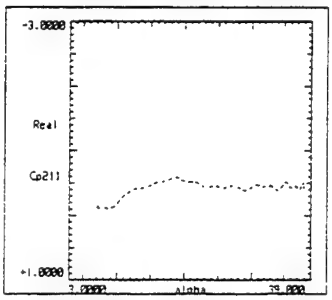

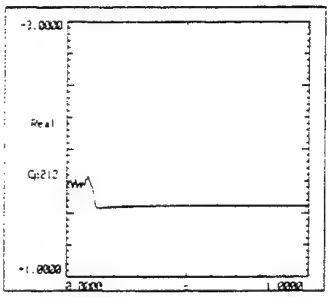

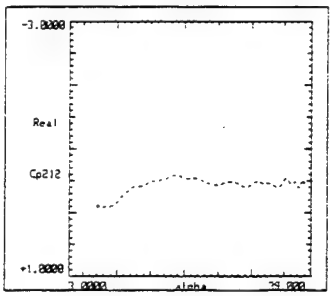

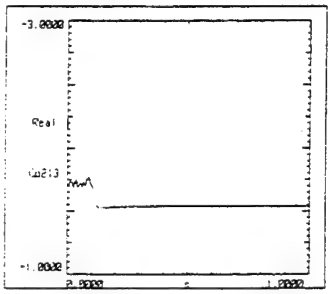

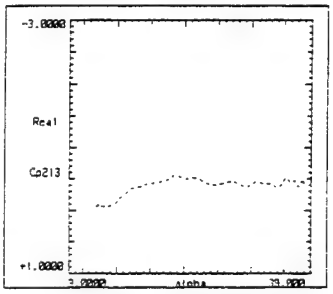

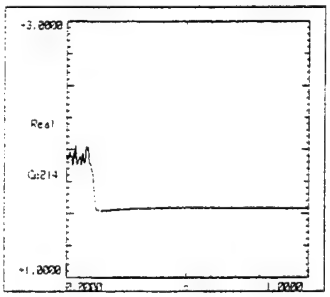

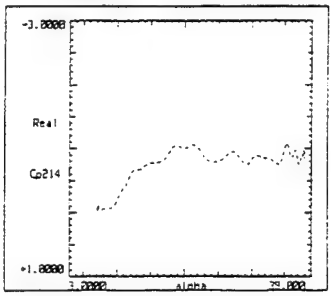

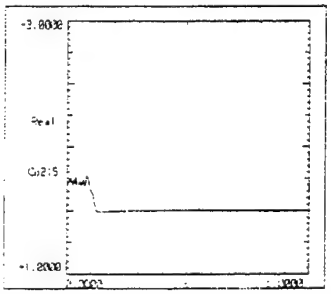

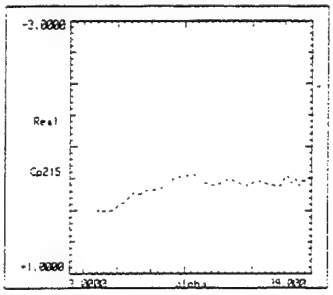

DPN : 480

full (1-cos) input

alpha = 22.580 deg
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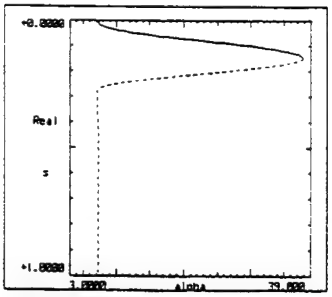
freq = 3.800 Hz

Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa



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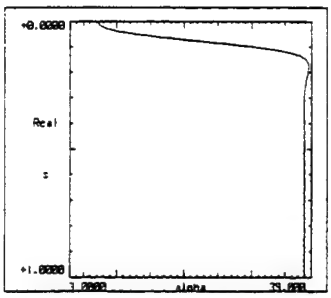
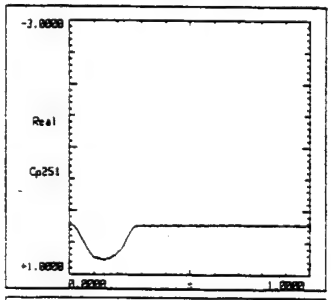
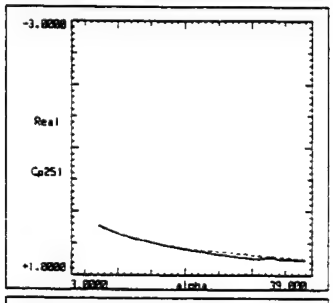
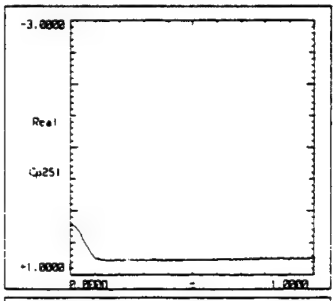
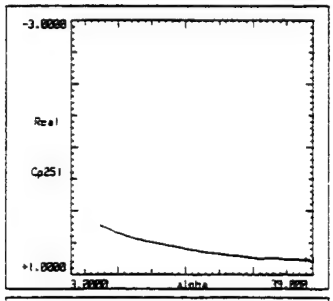
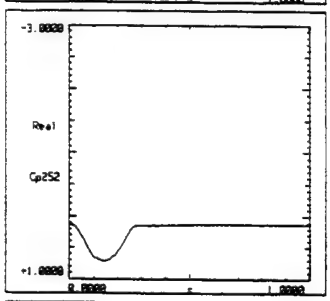


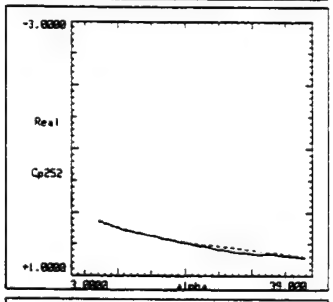


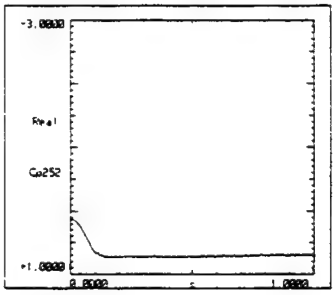


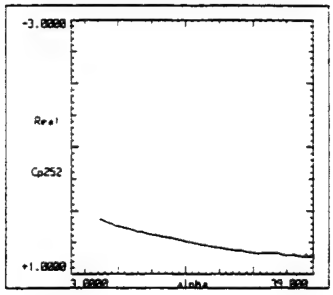


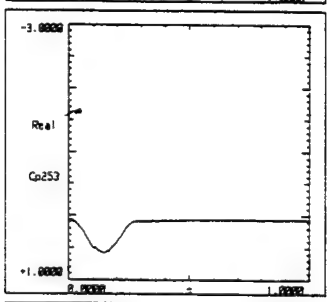


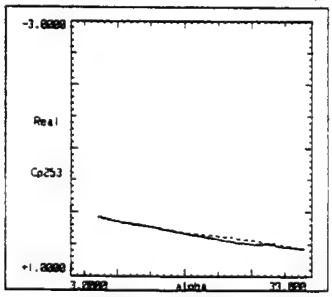


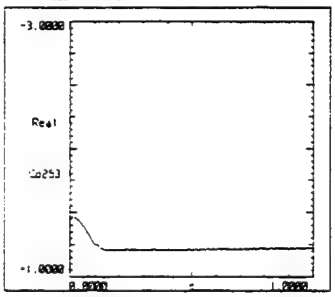


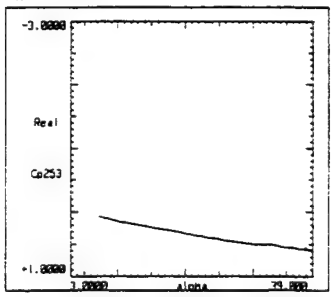


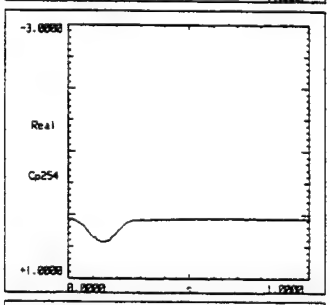


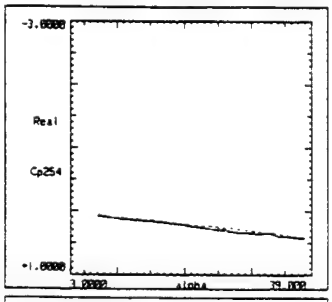


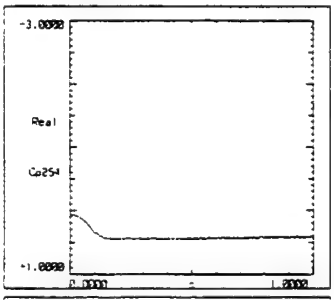


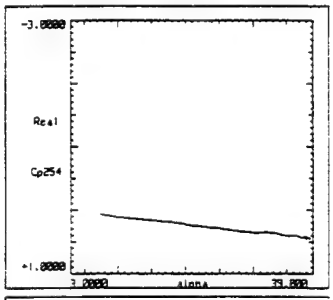


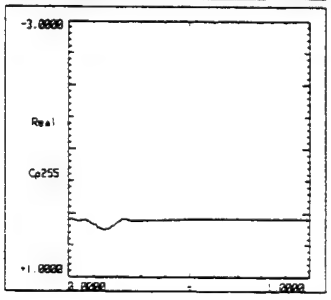


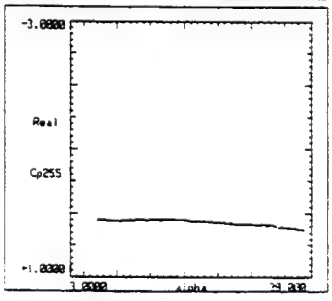


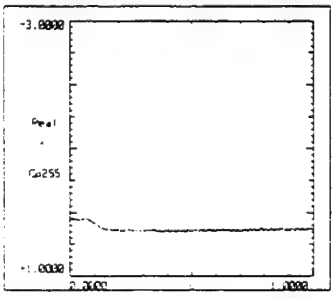


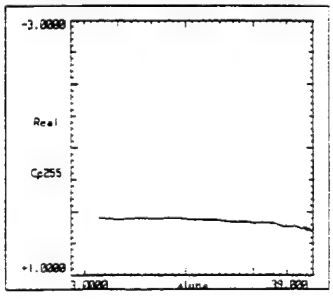










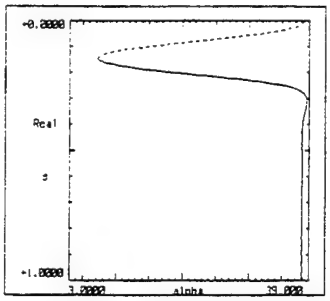


DPN : 480

full cos input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa



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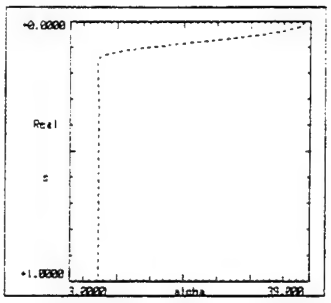

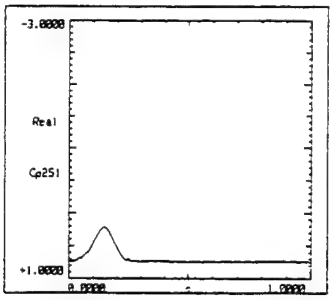

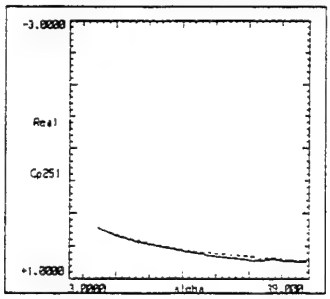

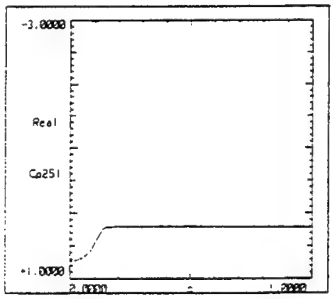

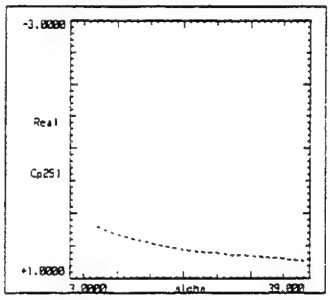

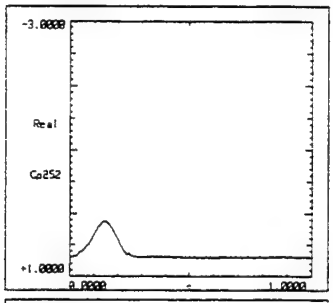

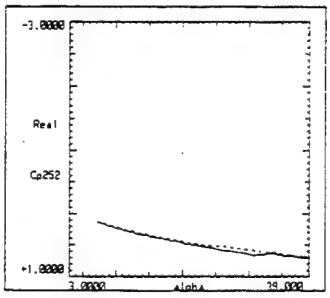

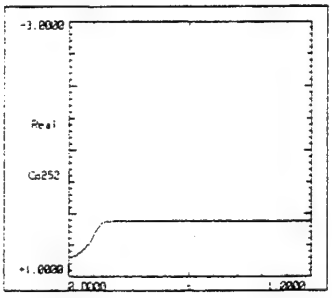

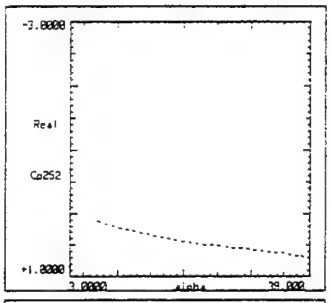

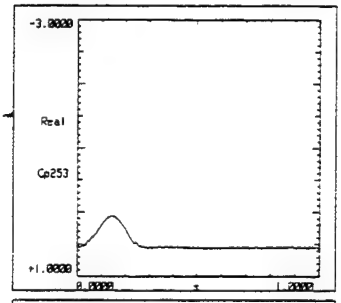

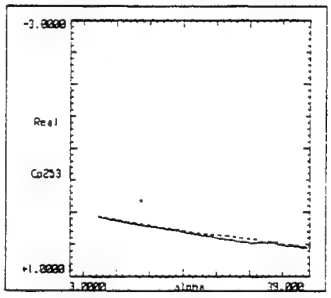

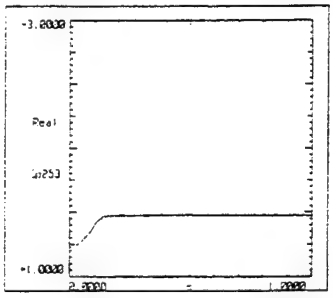

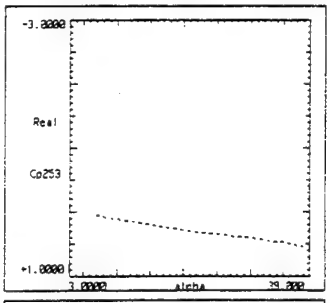

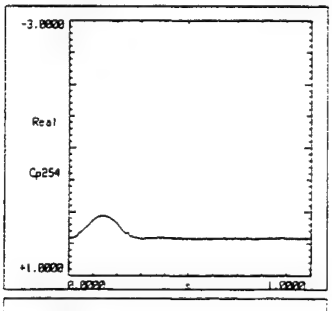

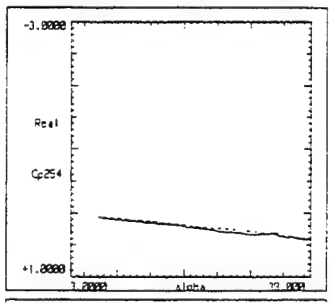

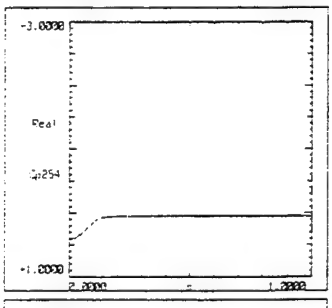

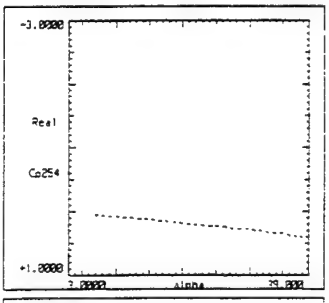

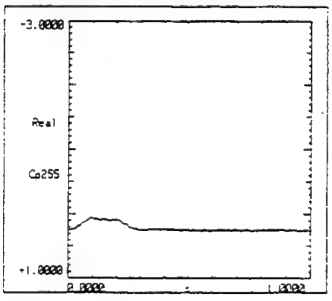

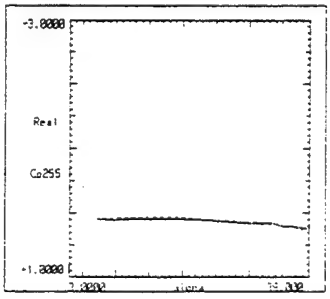

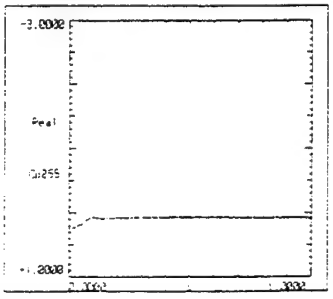

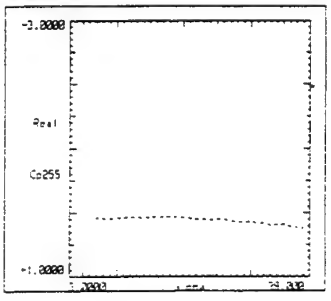

DPN : 480

full (1-cos) input

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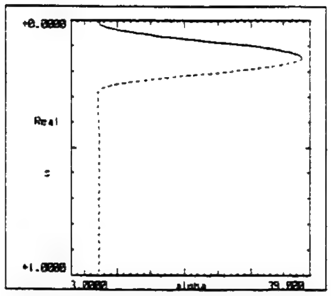
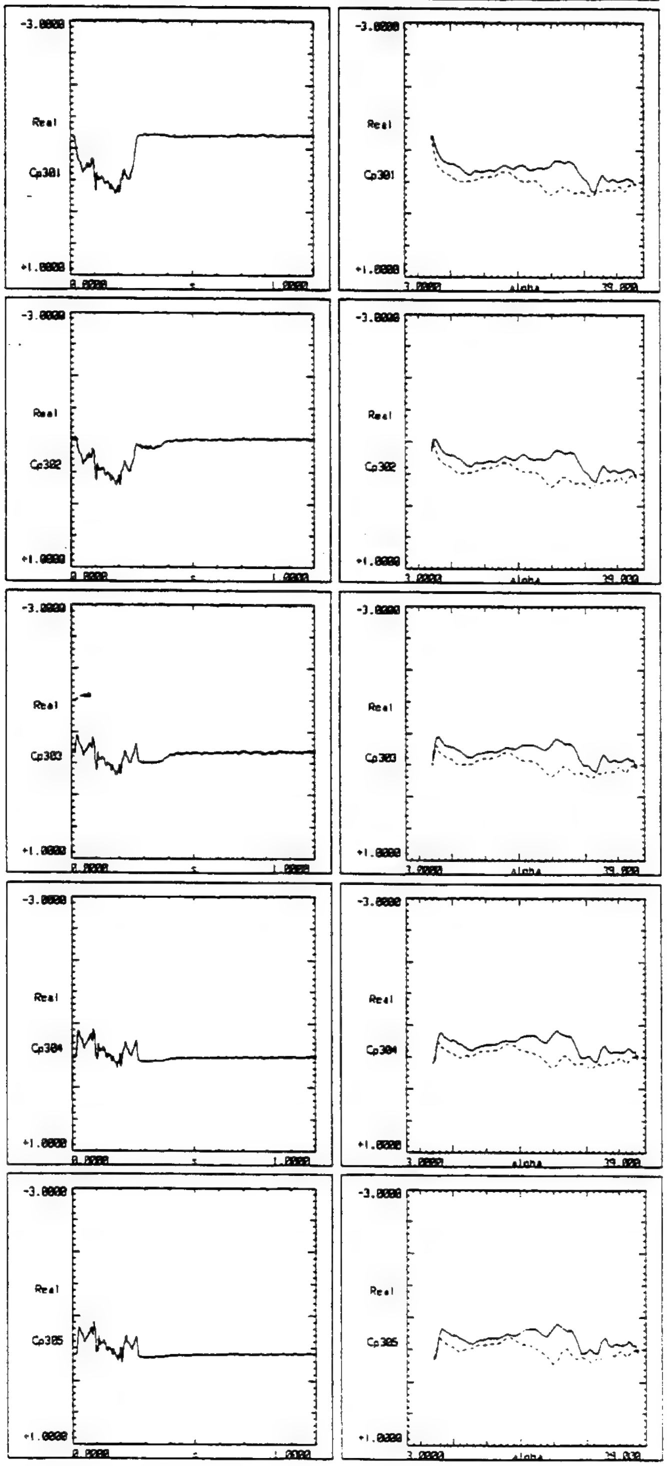
Re^-6 = 8.073
Q = 17.351 kPa





DPN : 480

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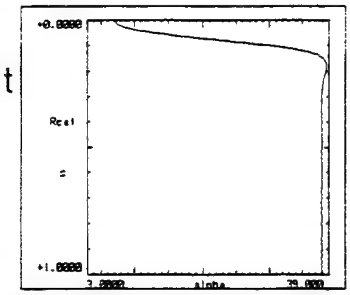

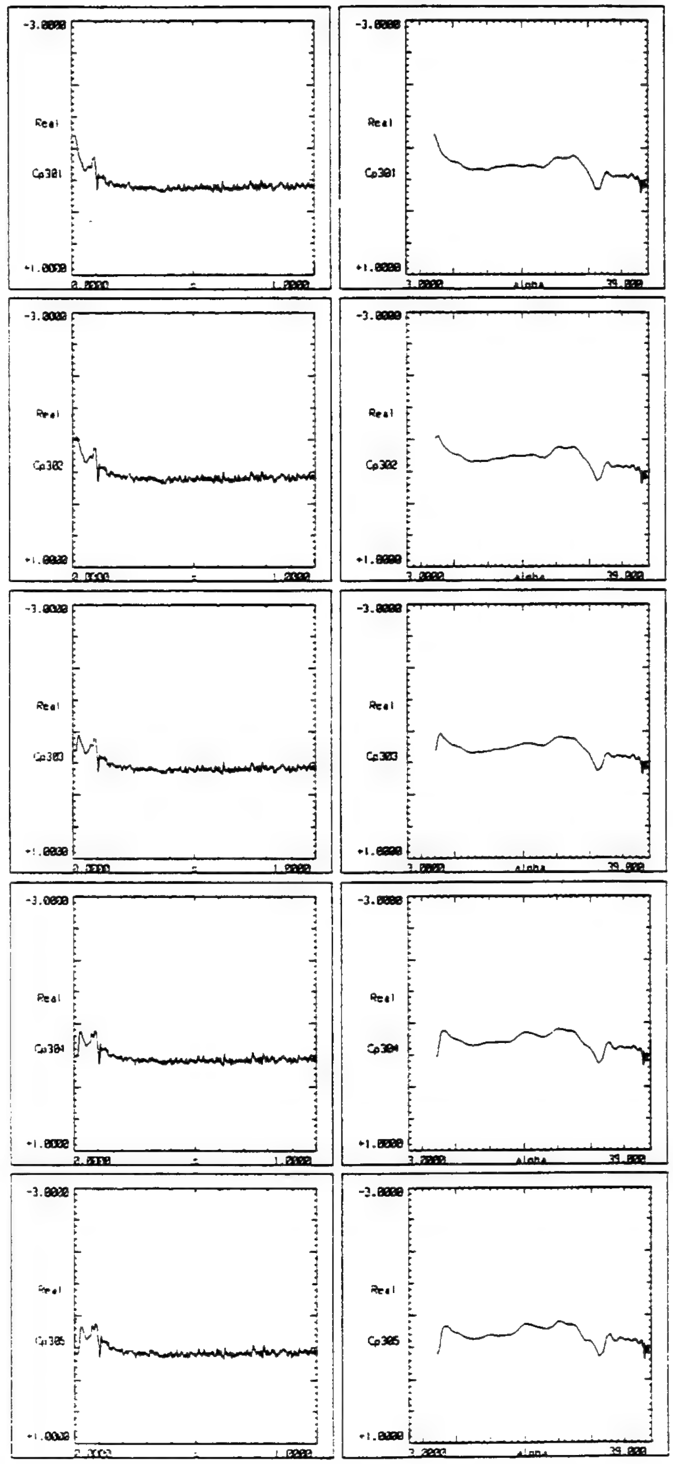

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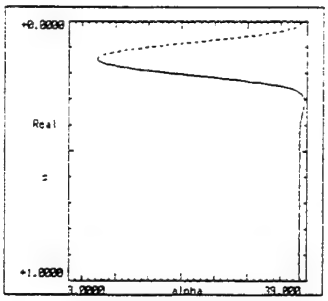

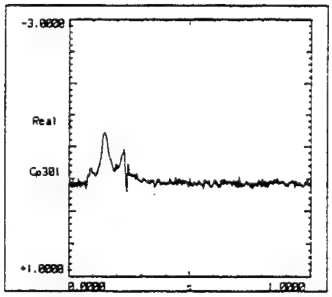

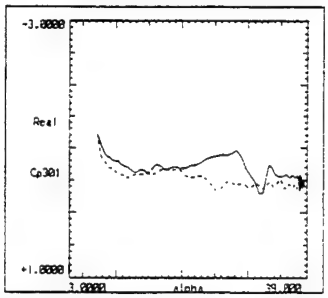

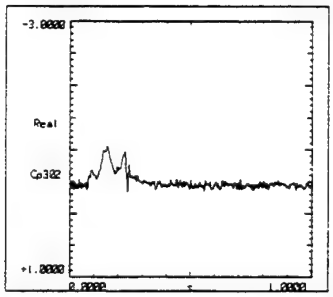

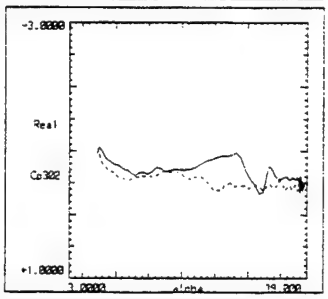

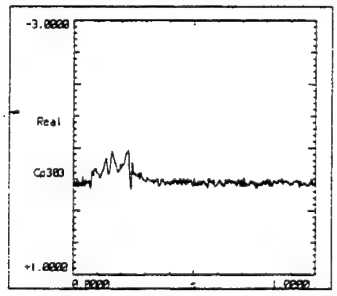

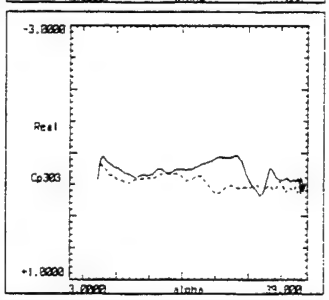

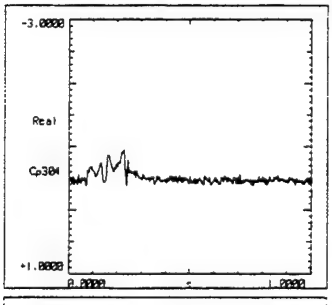

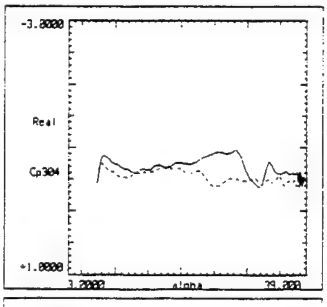

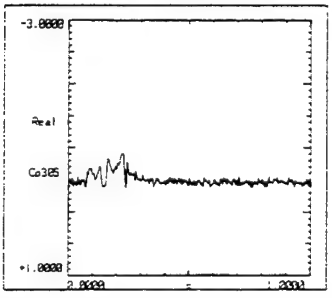

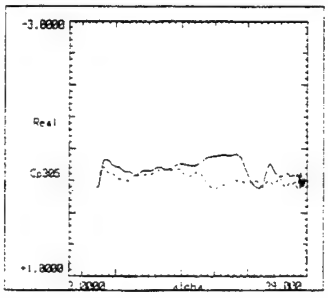

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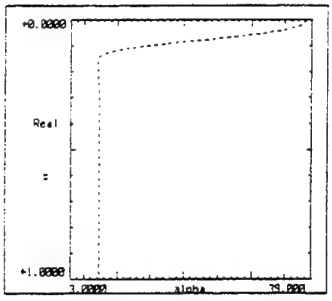

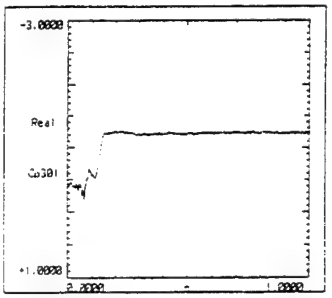

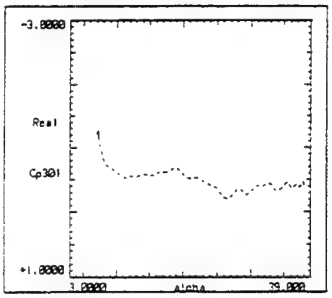

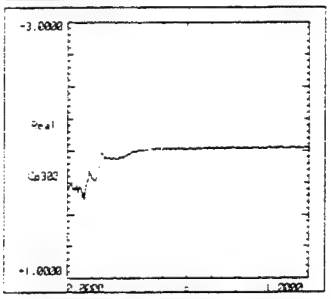

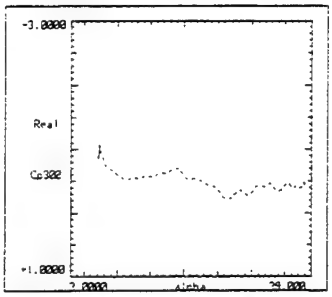

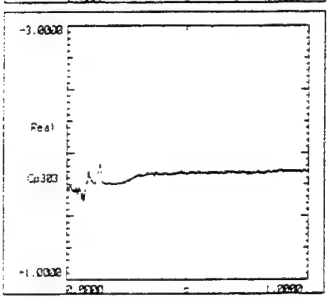

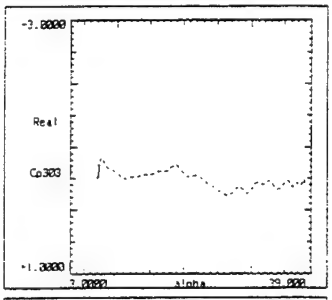

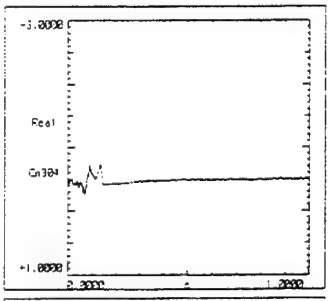

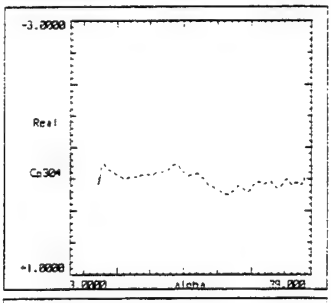

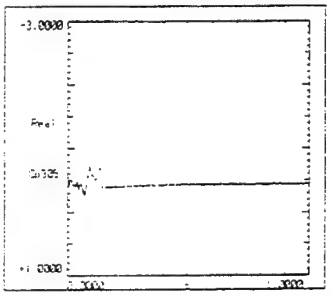

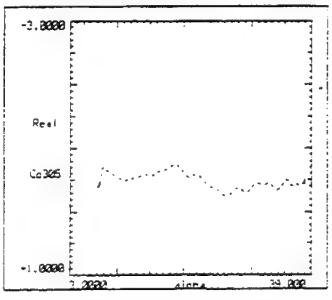

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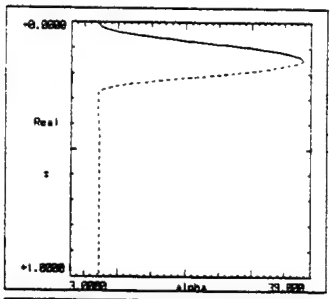
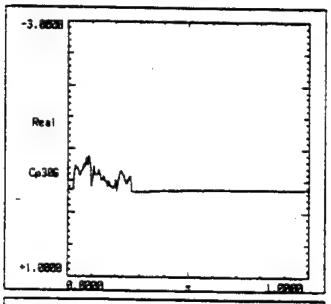
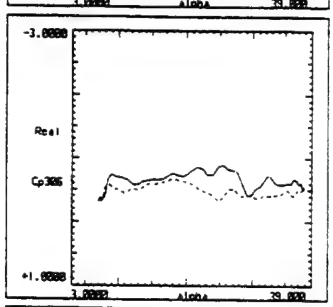
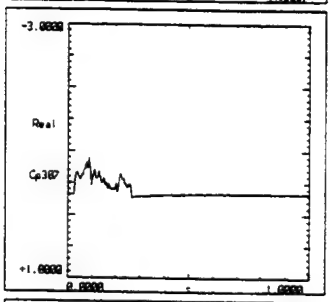
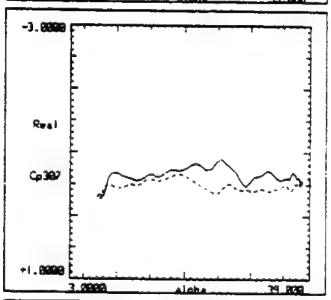
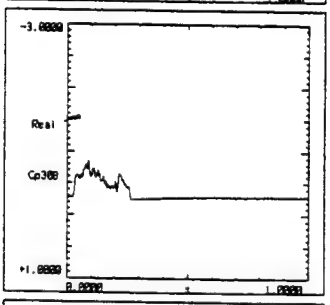


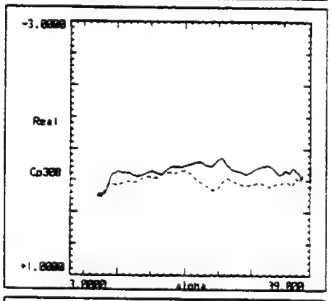


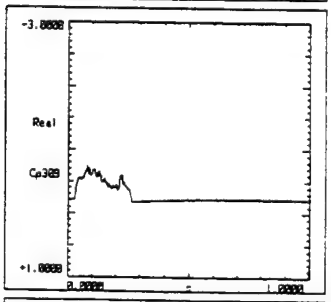


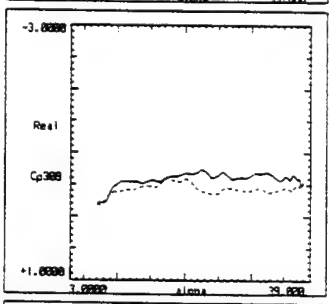


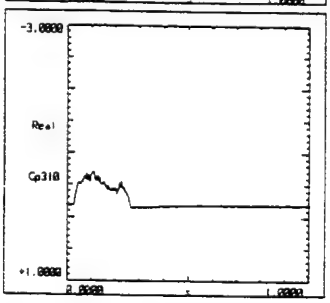


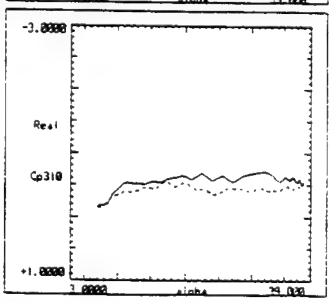










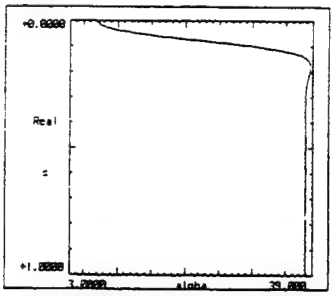


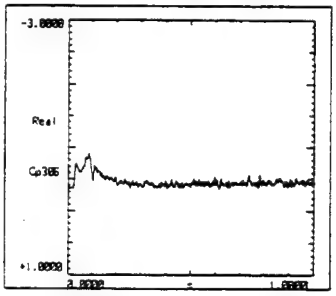
DPN : 480

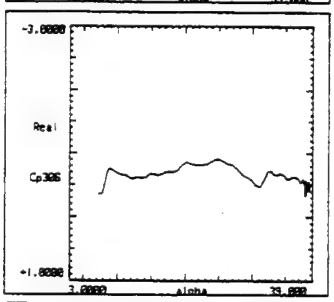
half (1-cos) input

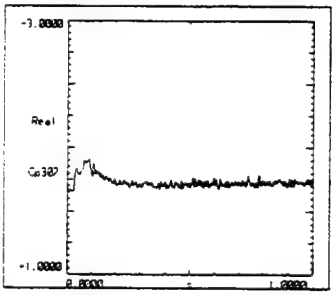
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

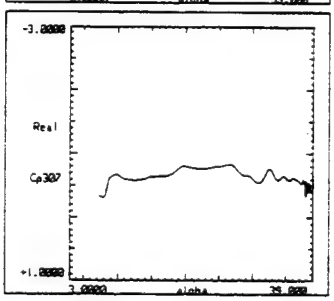
Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa

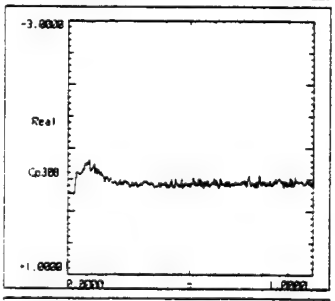


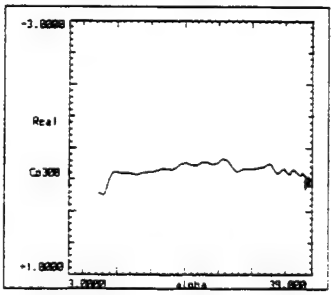


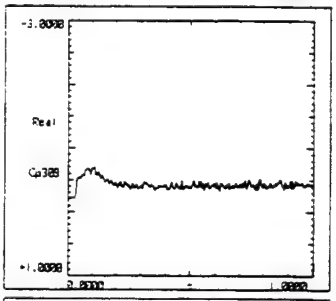


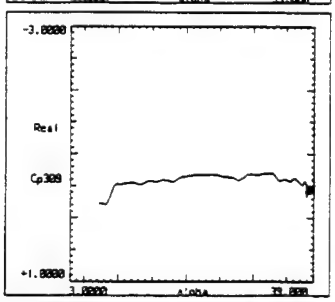


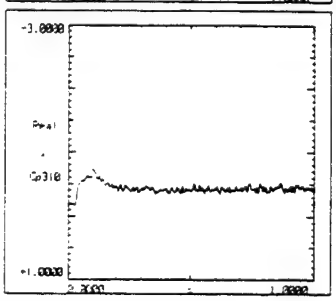


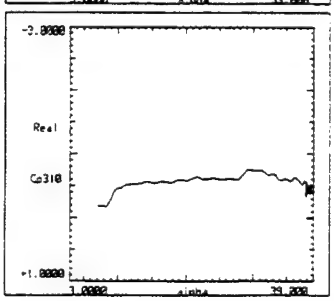










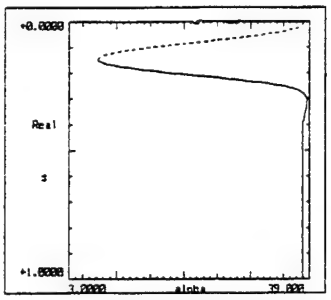


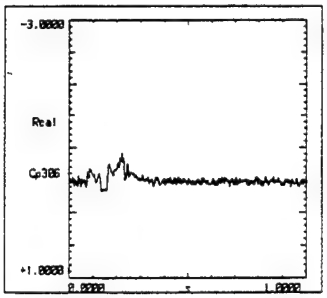
DPN : 480

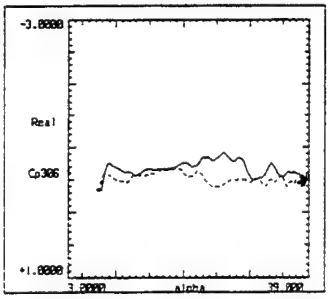
full cos input

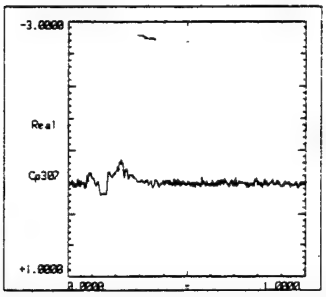
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

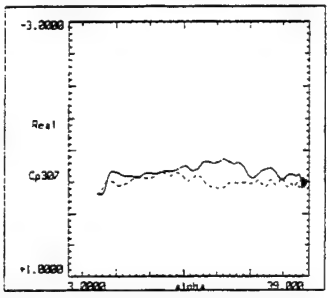
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

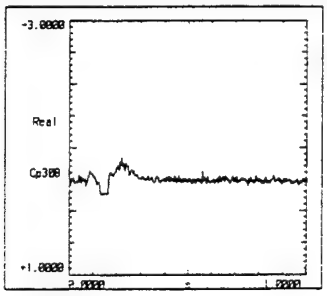


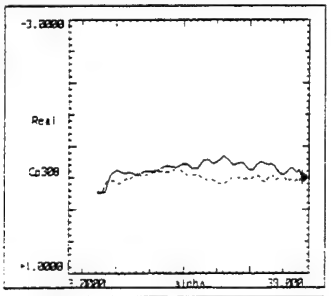


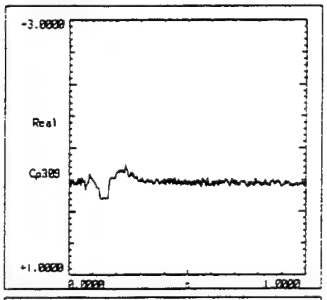


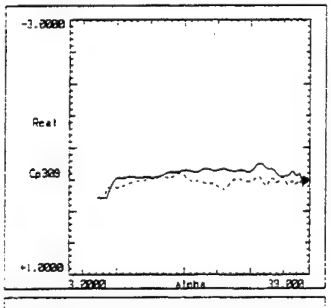


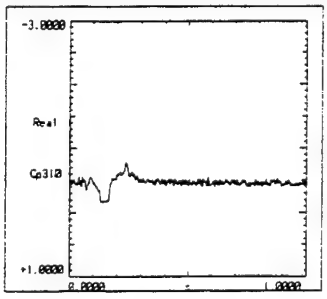


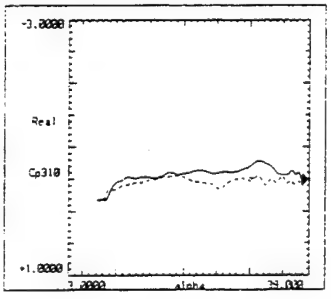










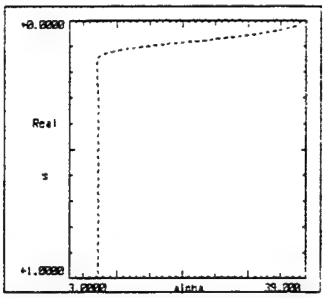


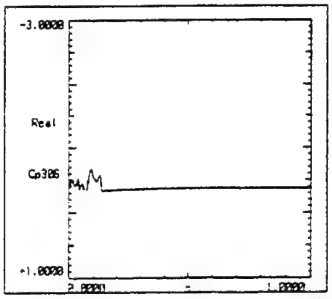
DPN : 480

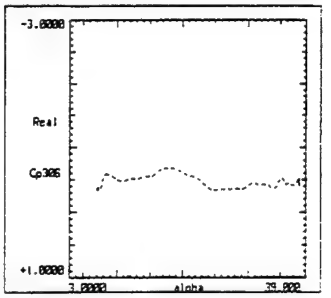
half cos input

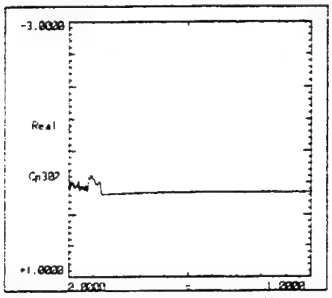
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

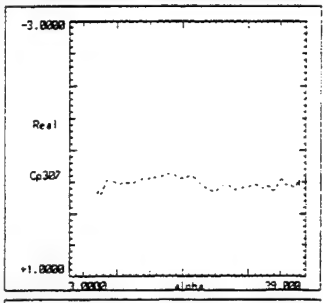
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa

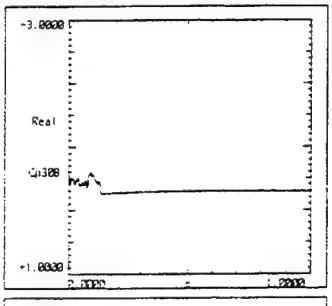


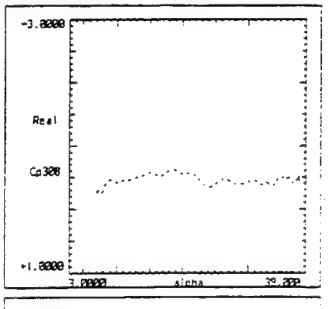


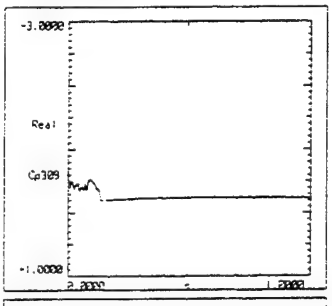


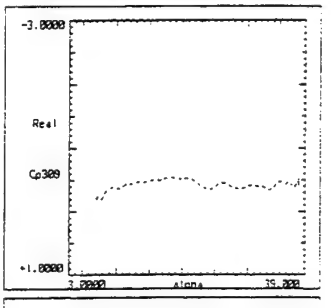


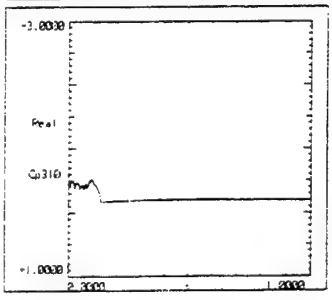


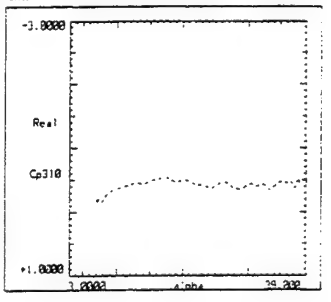










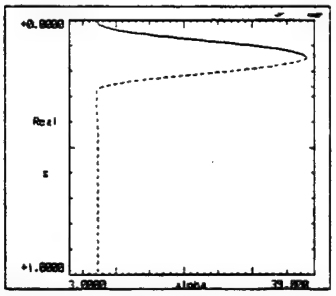


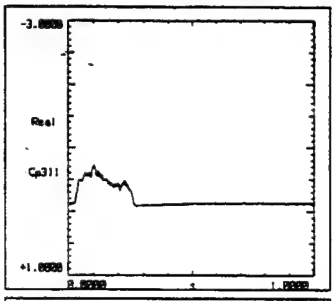
DPN : 480

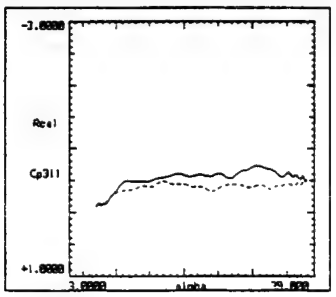
full (1-cos) input

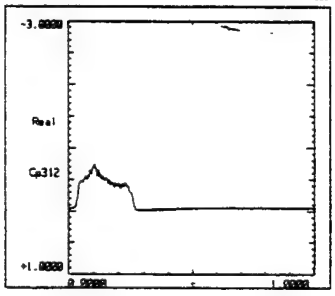
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

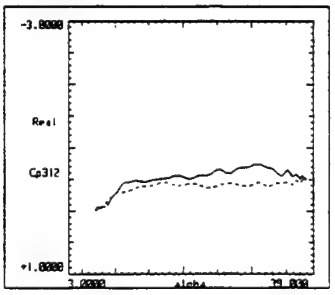
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa









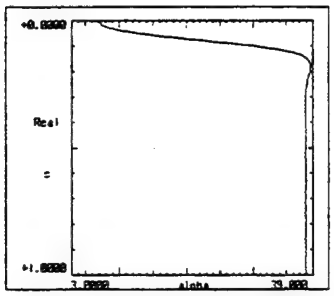


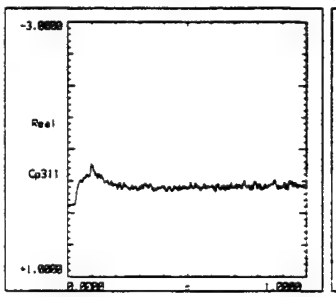
DPN : 480

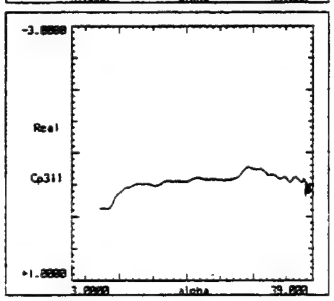
half (1-cos) input

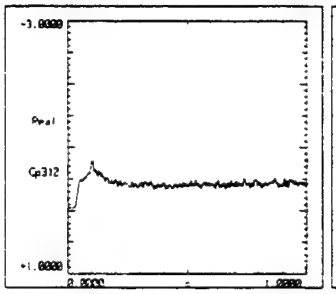
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

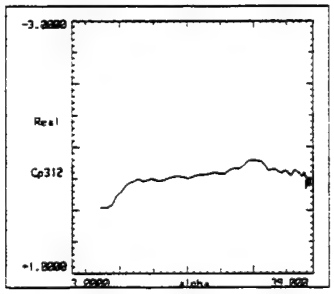
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa









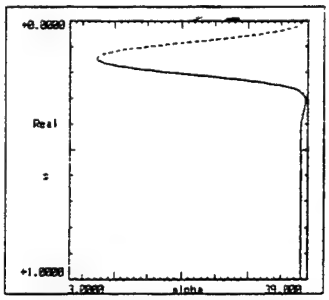


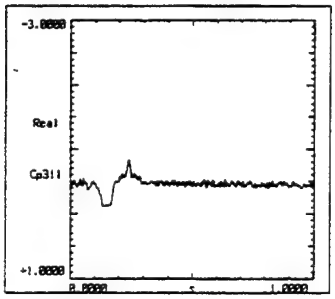
DPN : 480

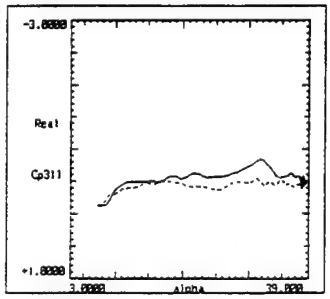
full cos input

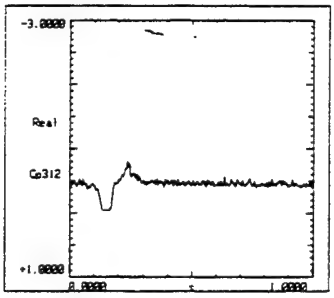
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

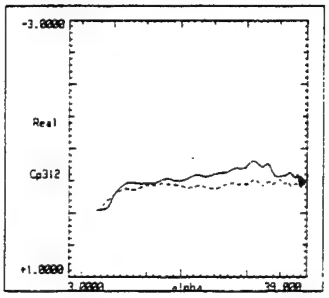
Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa









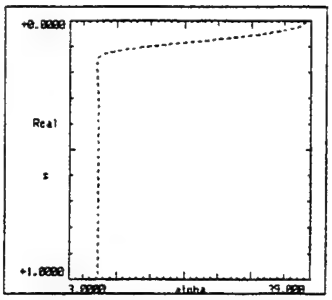


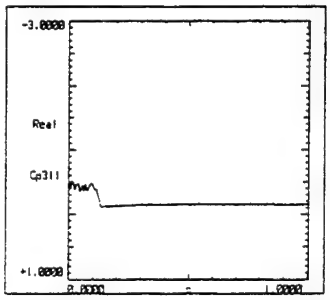
DPN : 480

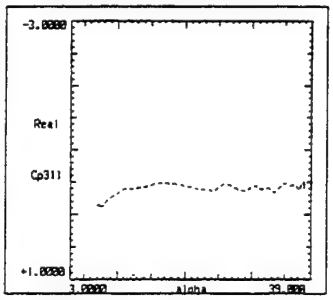
half cos input

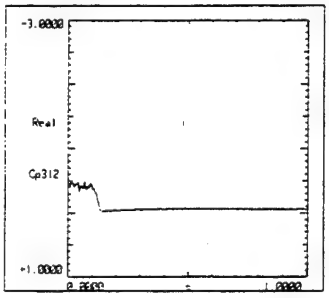
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

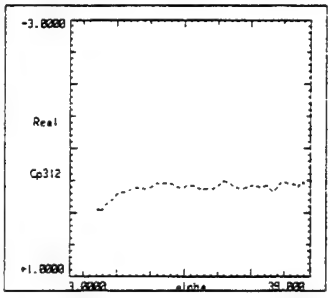
Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa









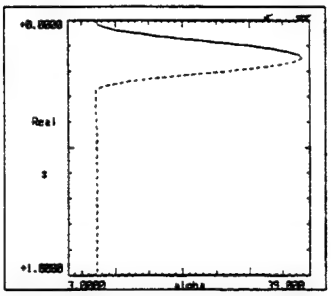


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



DPN : 480

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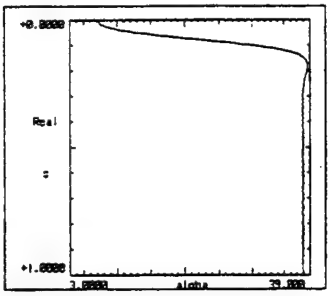
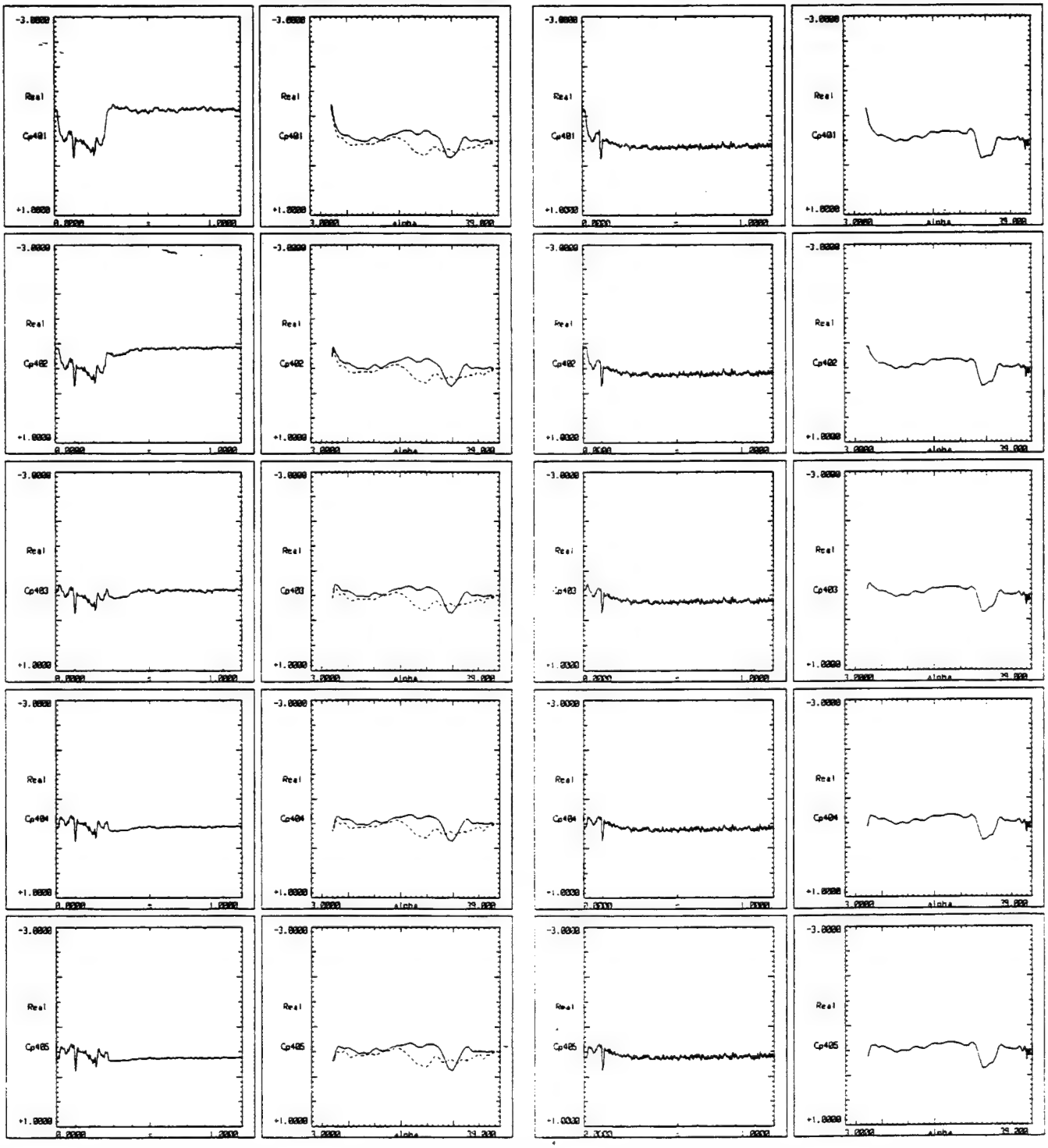
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa





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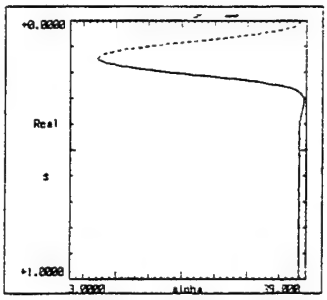

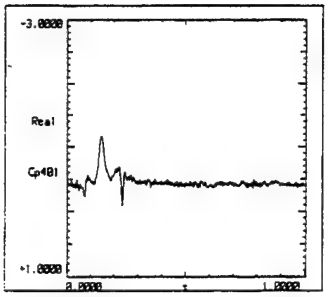

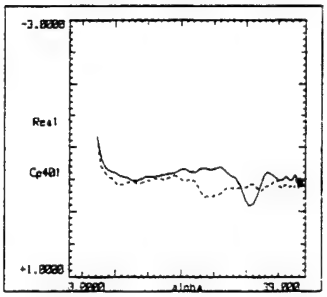

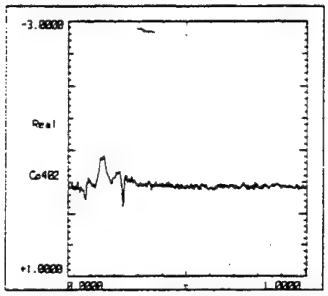

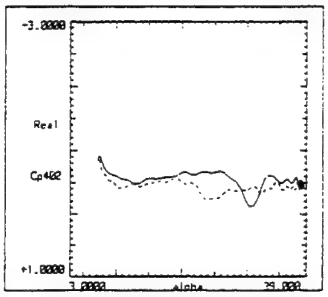

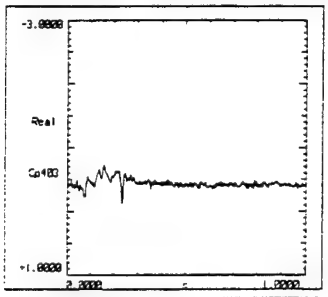

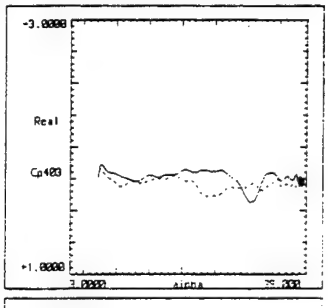

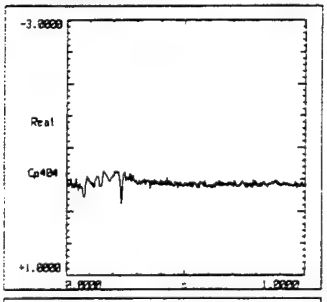

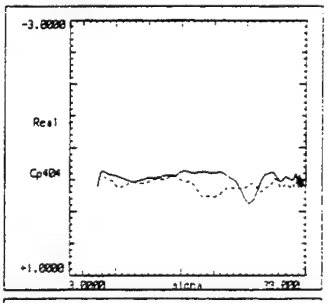

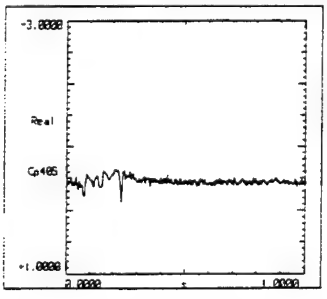

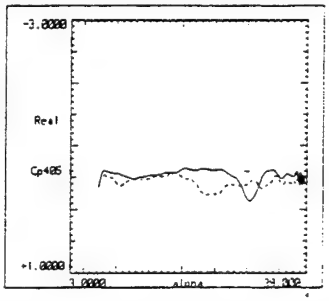

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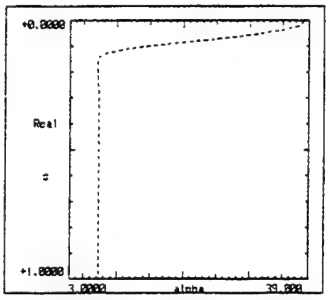

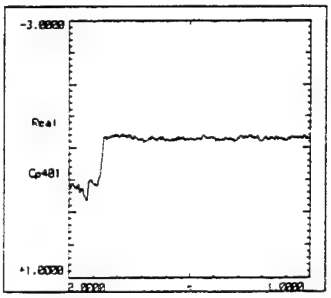

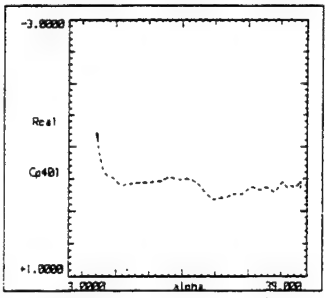

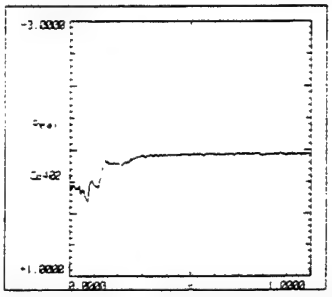

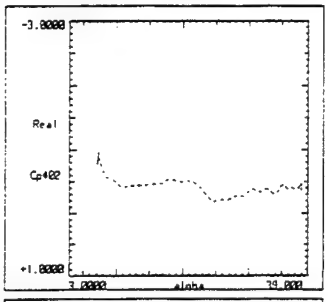

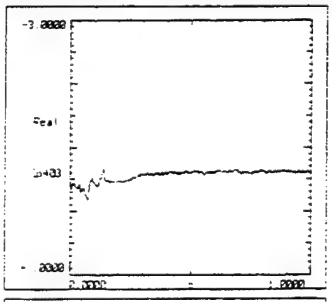

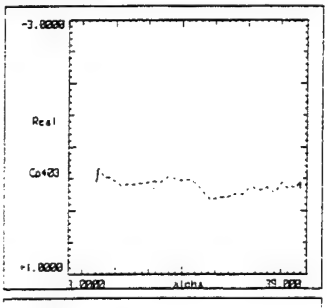

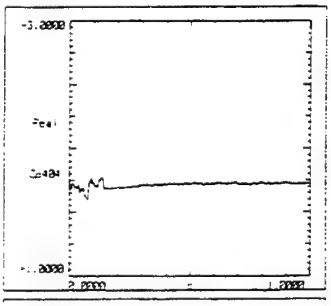

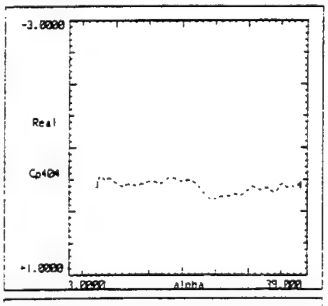

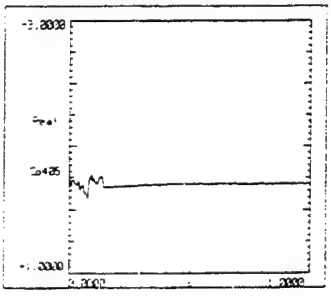

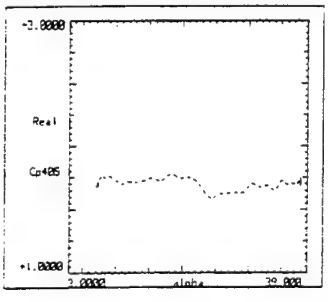

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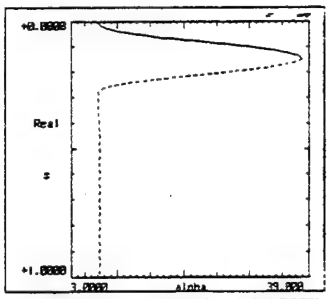

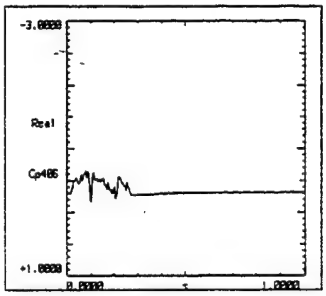

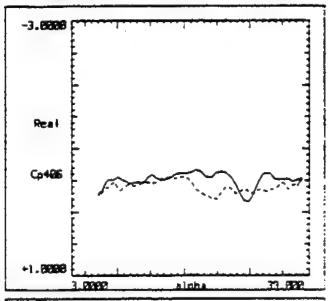

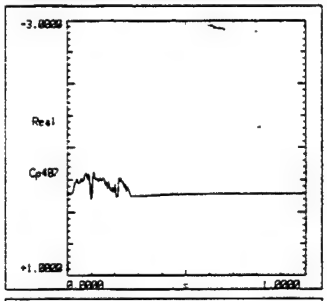

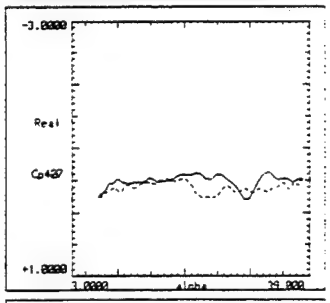

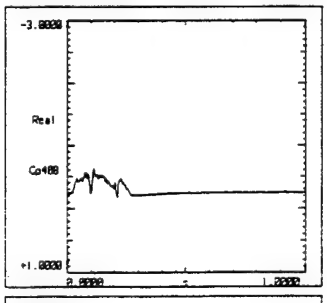

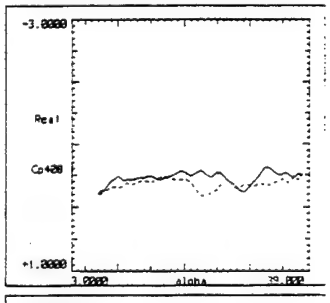

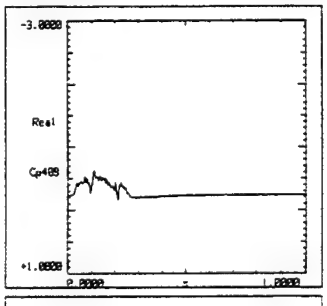

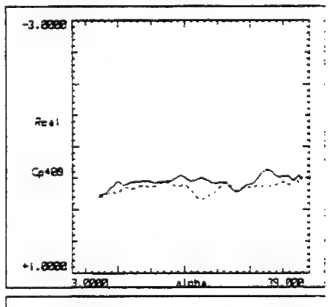

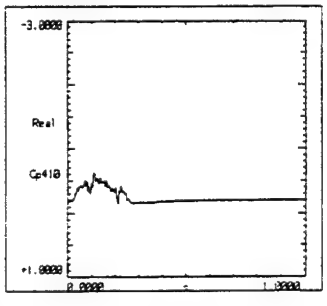

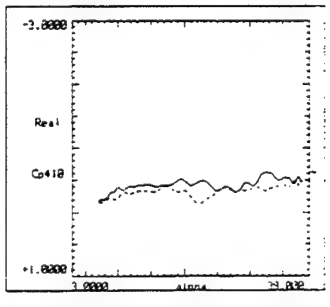

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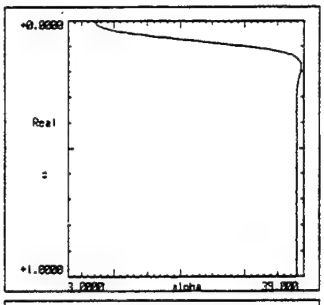

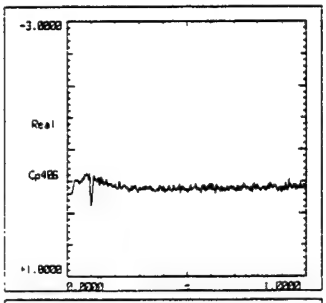

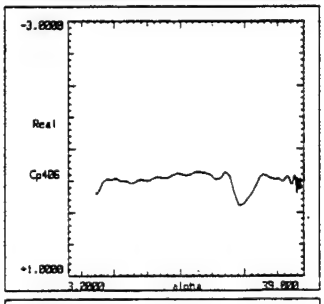

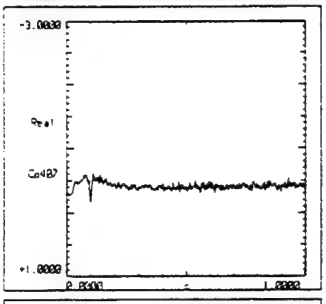

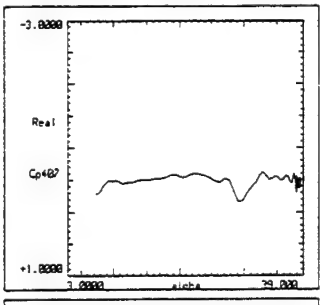

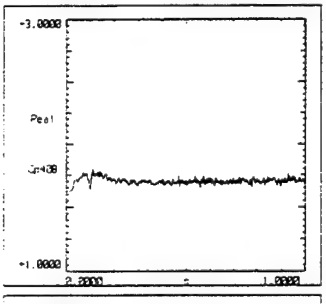

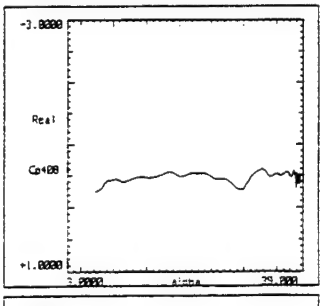

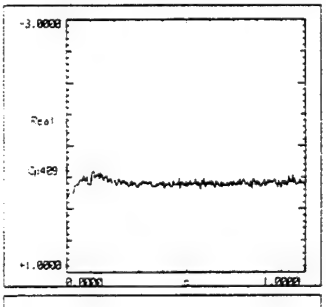

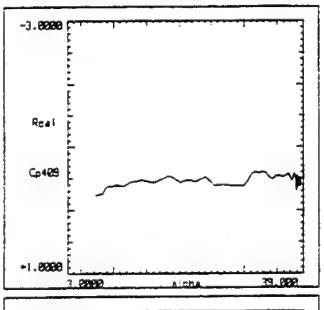

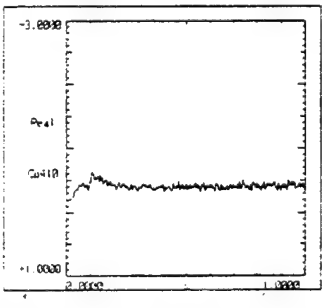

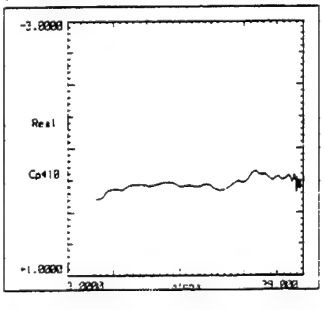

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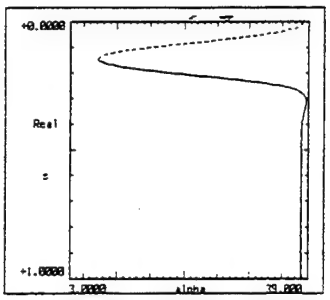

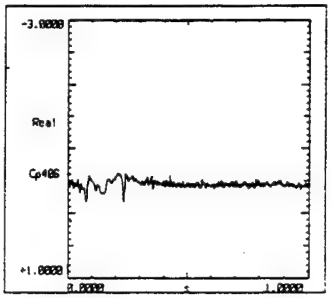

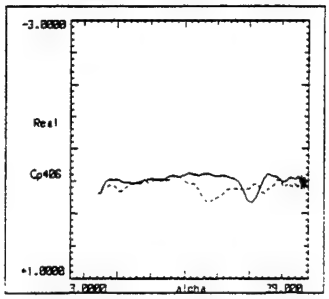

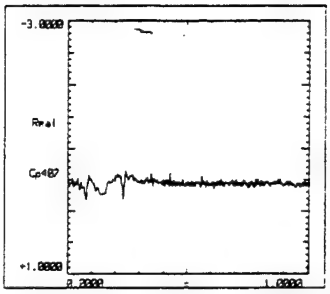

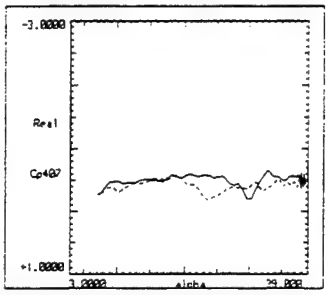

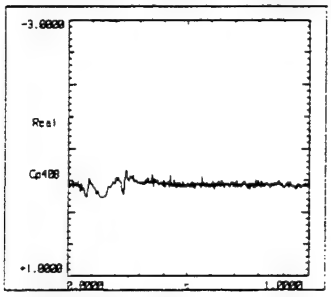

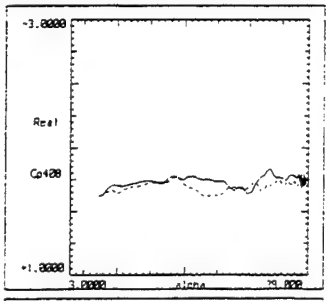

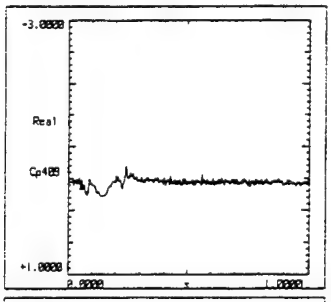

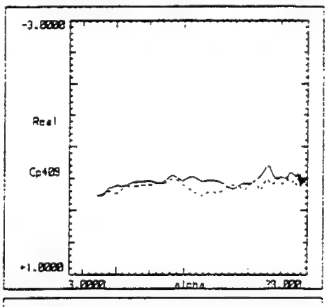

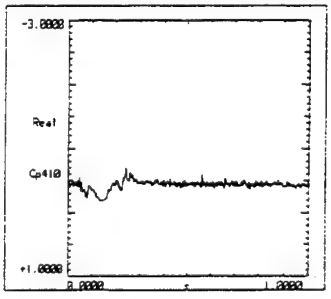

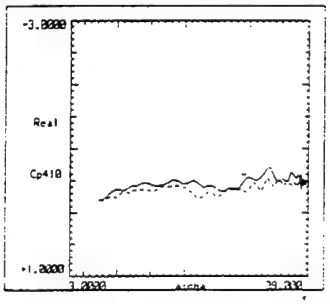

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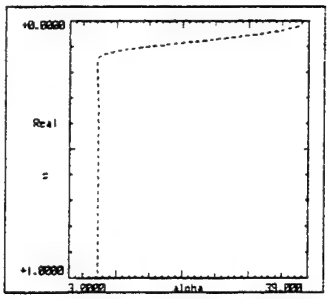
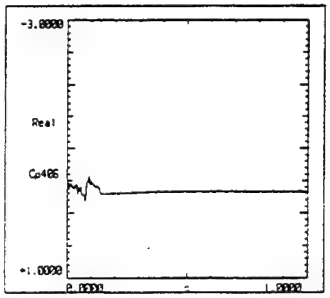
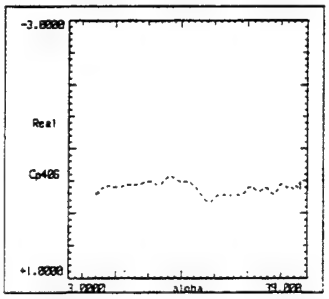
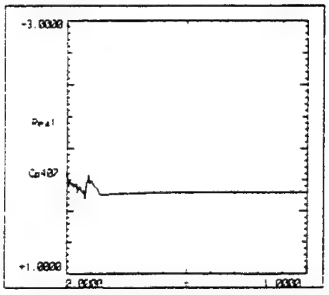
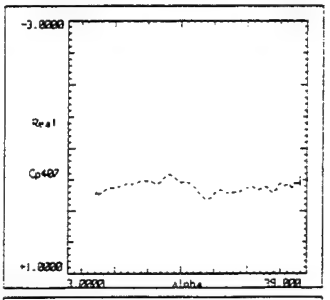
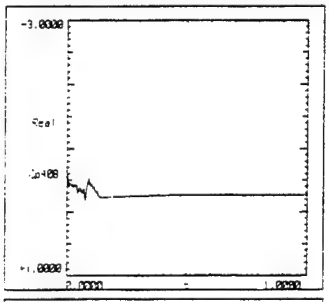


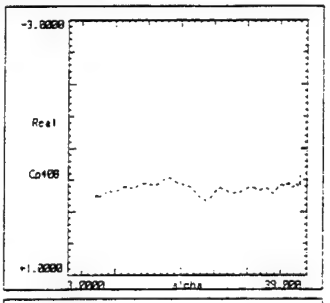


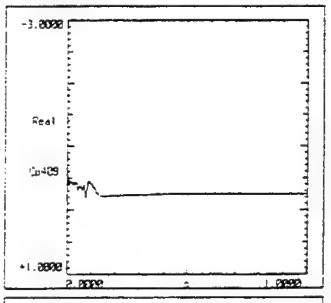


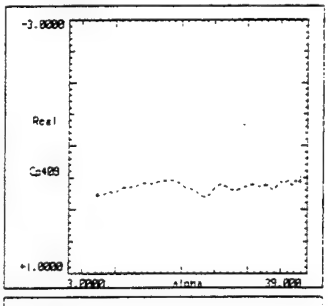


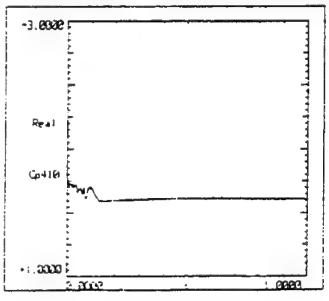


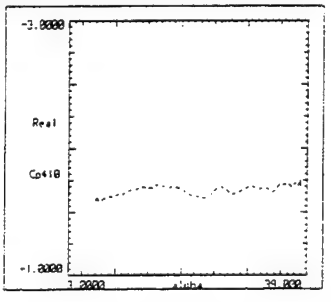










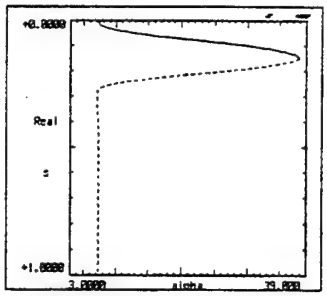


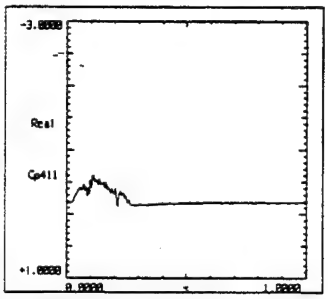
DPN : 480

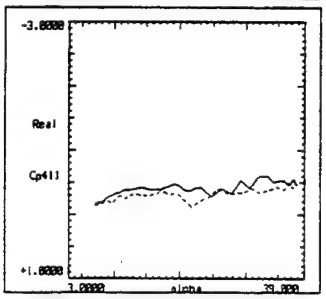
full (1-cos) input

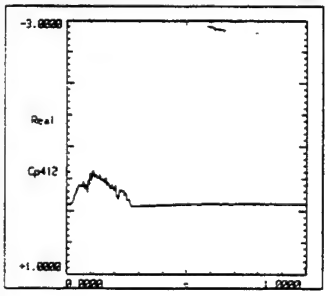
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

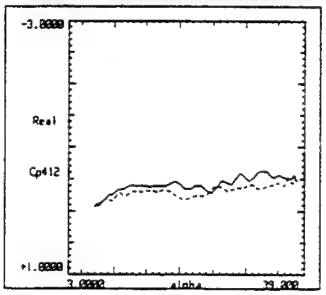
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa









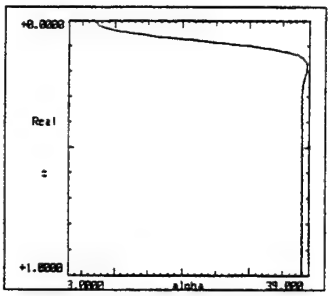


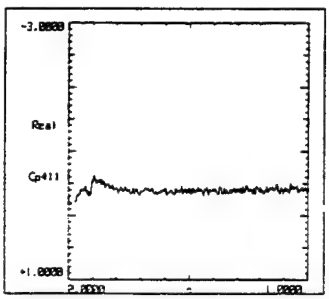
DPN : 480

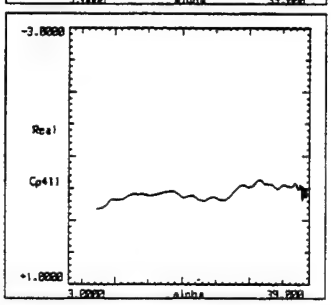
half (1-cos) input

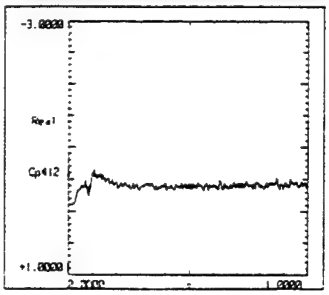
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

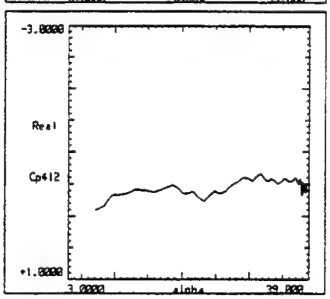
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa









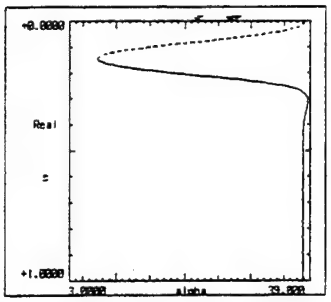


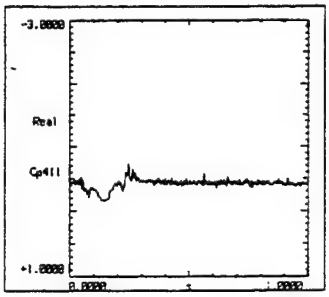
DPN : 480

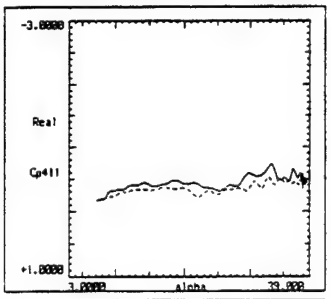
full cos input

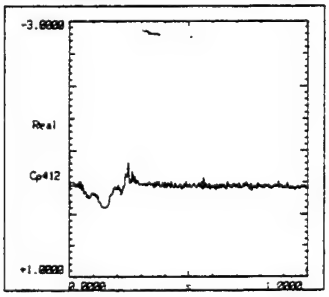
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

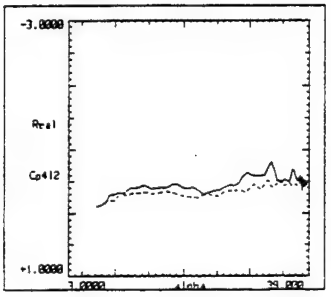
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa









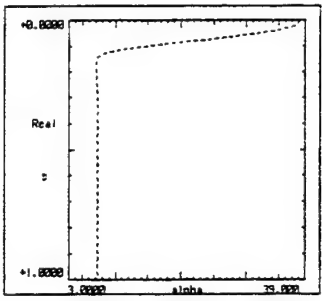


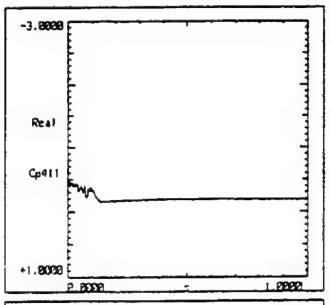
DPN : 480

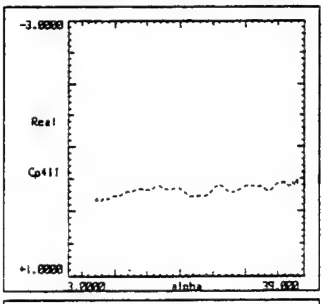
half cos input

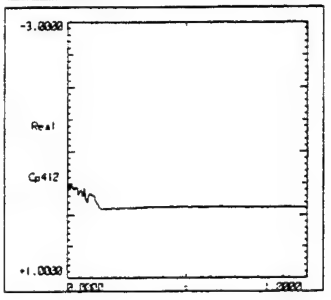
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

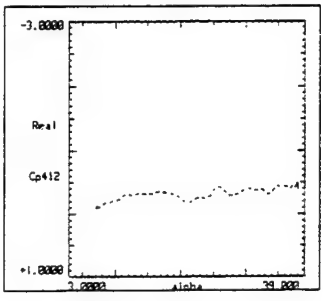
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa









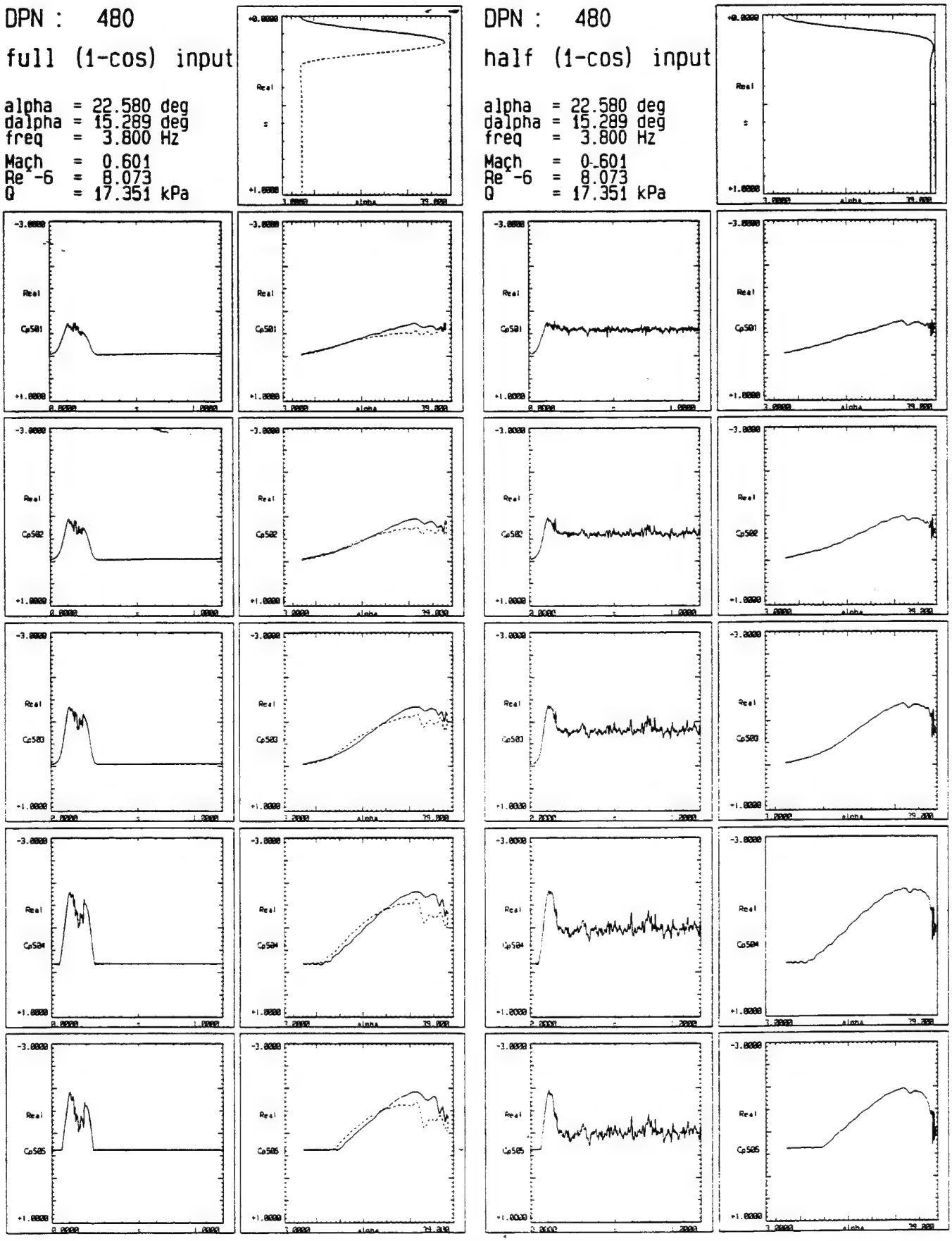


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



DPN : 480

half (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
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DPN : 480

full cos input

alpha = 22.580 deg
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Mach = 0.601
Re -6 = 8.073
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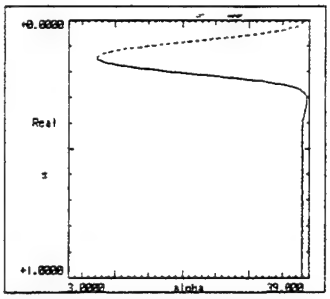

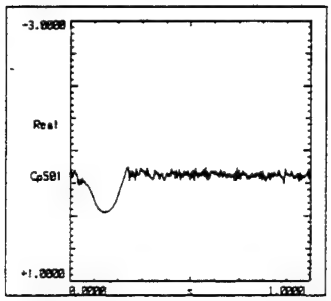

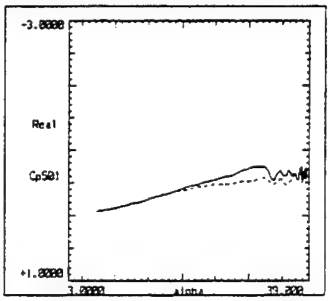

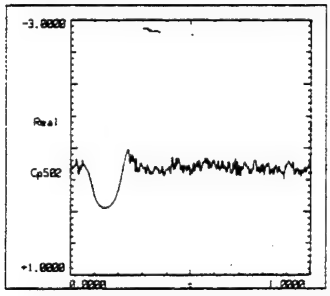

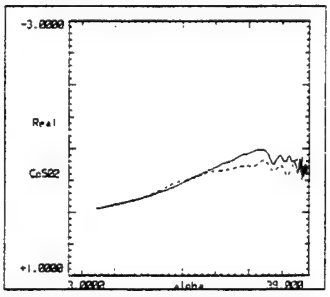

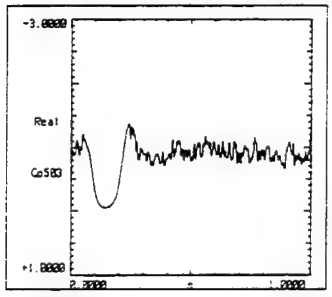

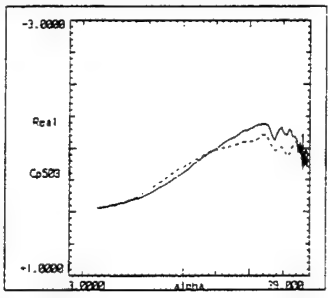

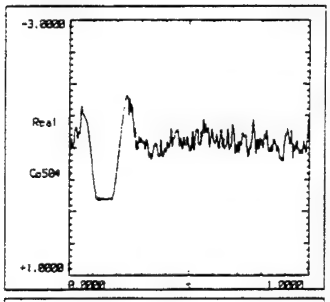

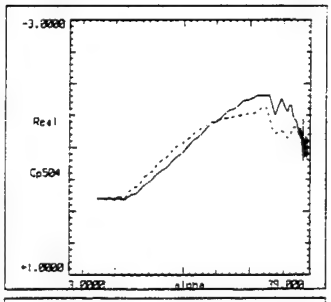

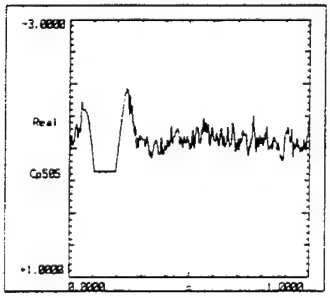

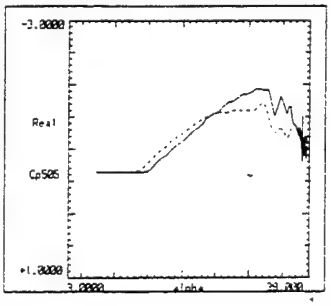

DPN : 480

half cos input

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freq = 3.800 Hz

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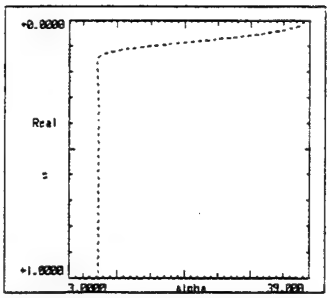
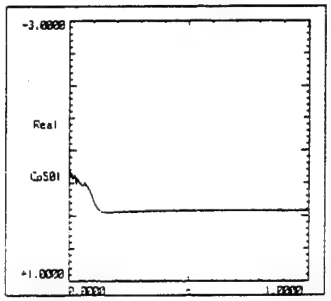
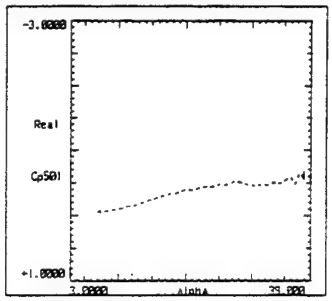
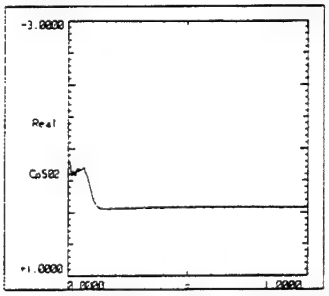
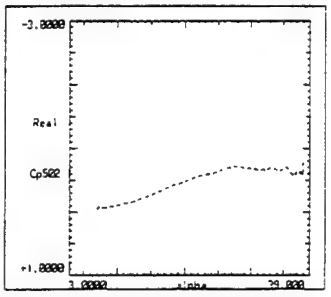
Re -6 = 8.073
Q = 17.351 kPa

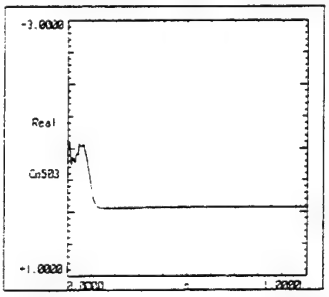


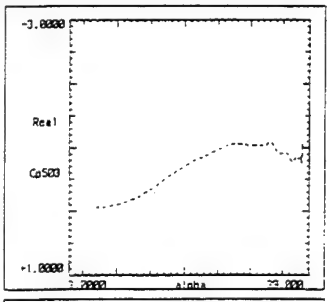


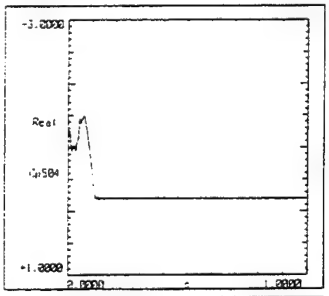


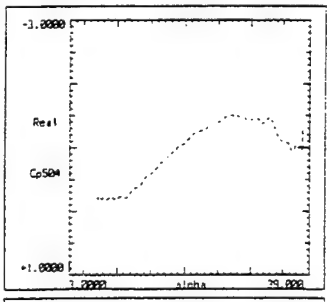


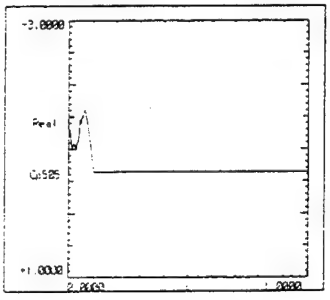


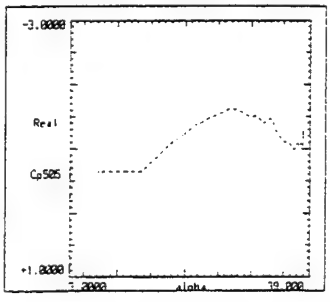












DPN : 480

full (1-cos) input

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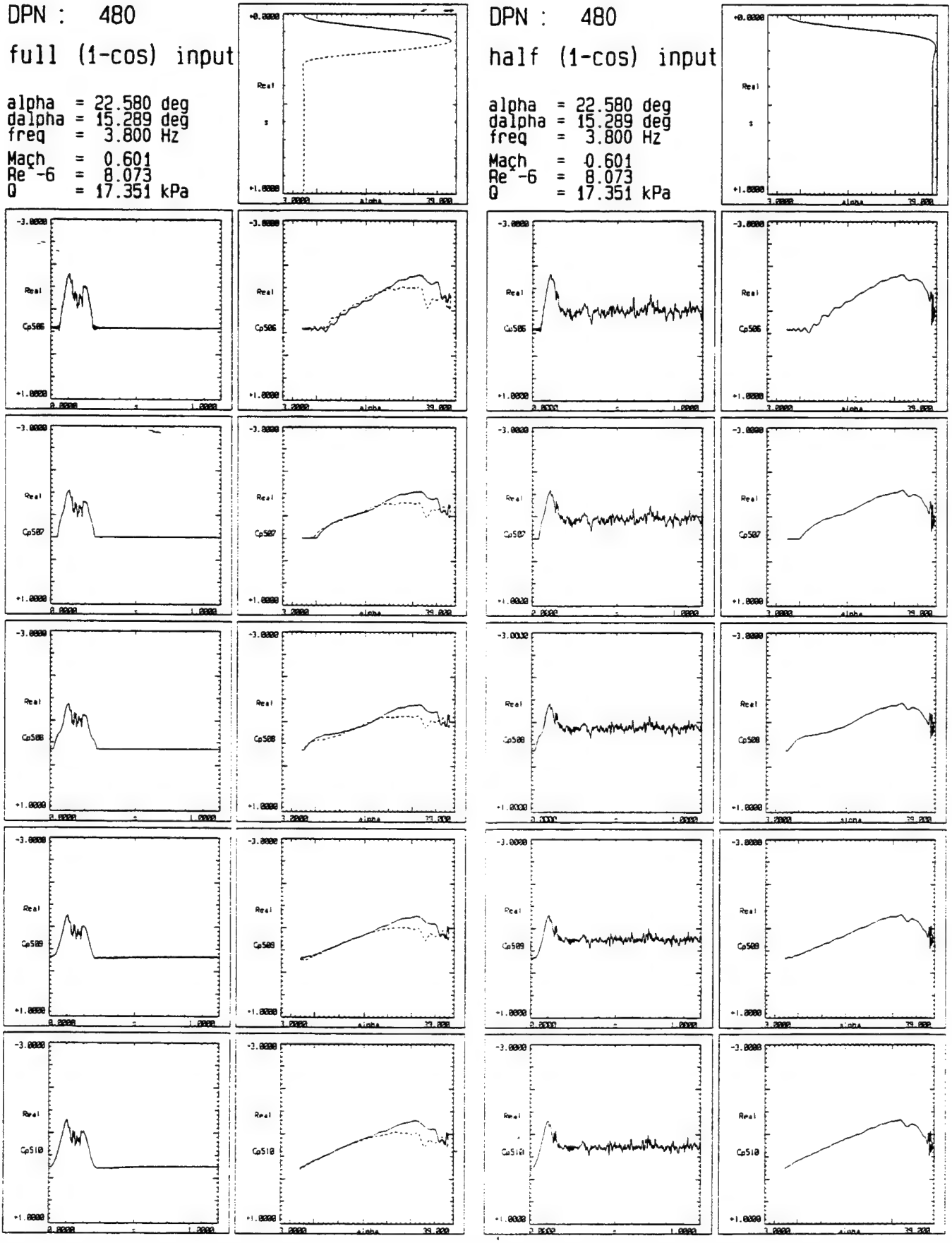
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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full cos input

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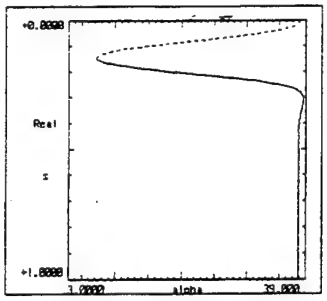
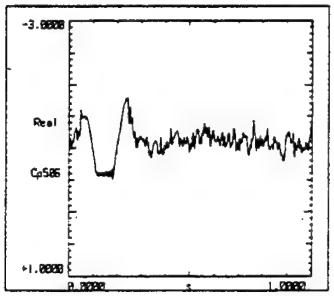
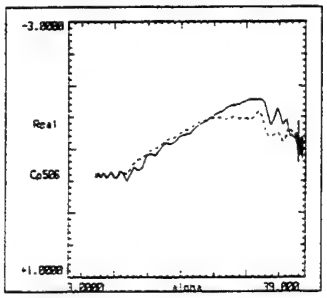
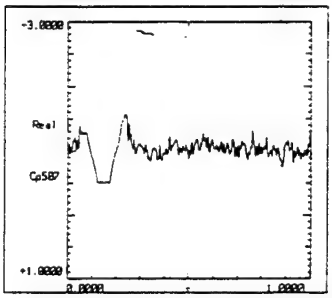
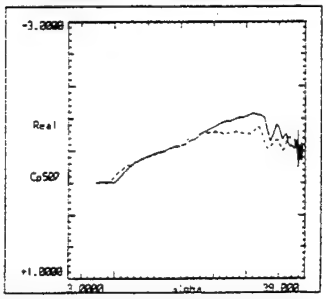
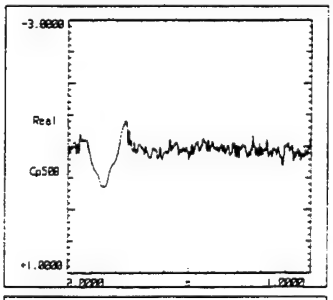


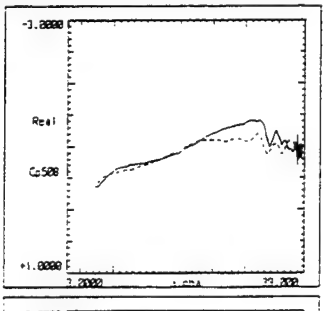


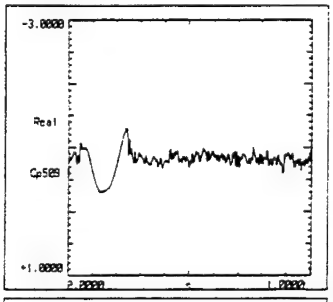


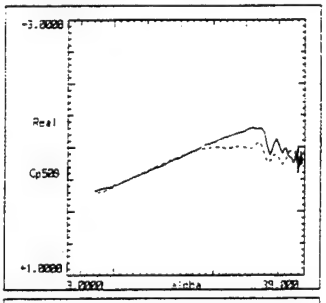


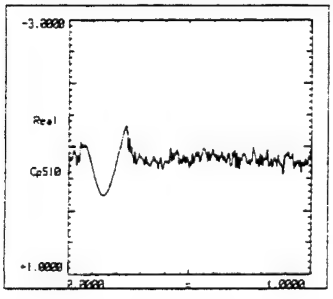


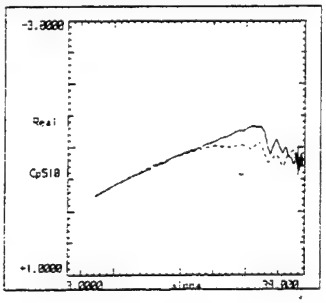










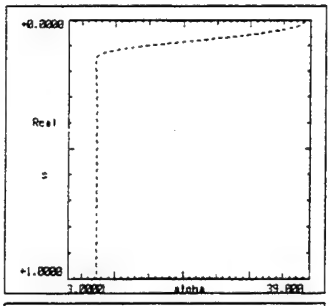


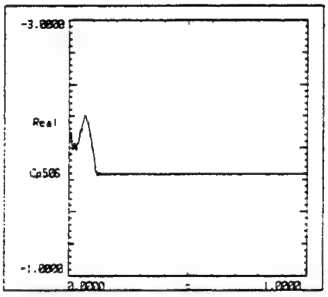
DPN : 480

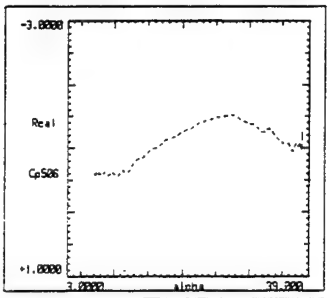
half cos input

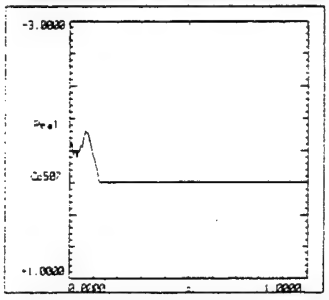
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

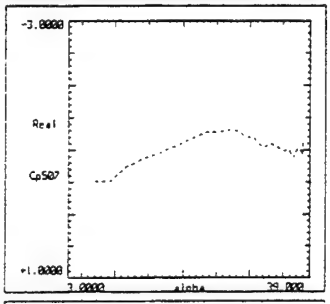
Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa

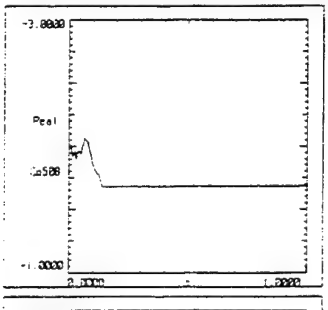


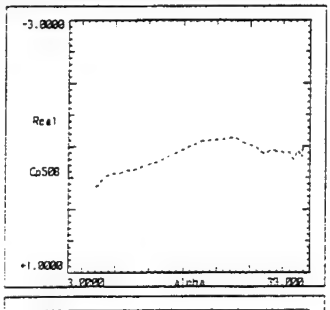


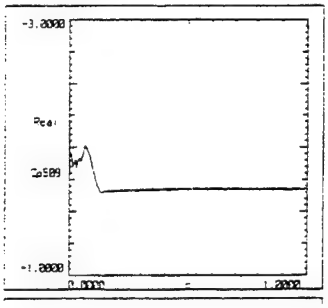


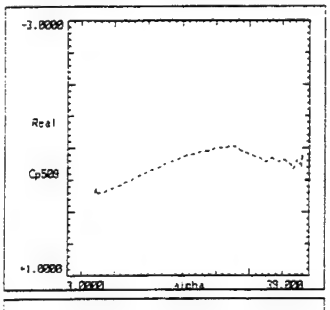


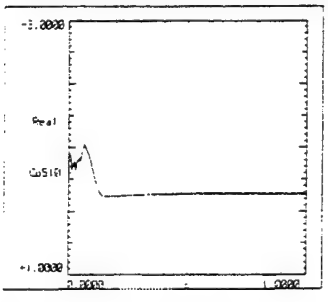


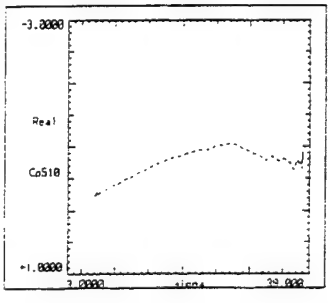










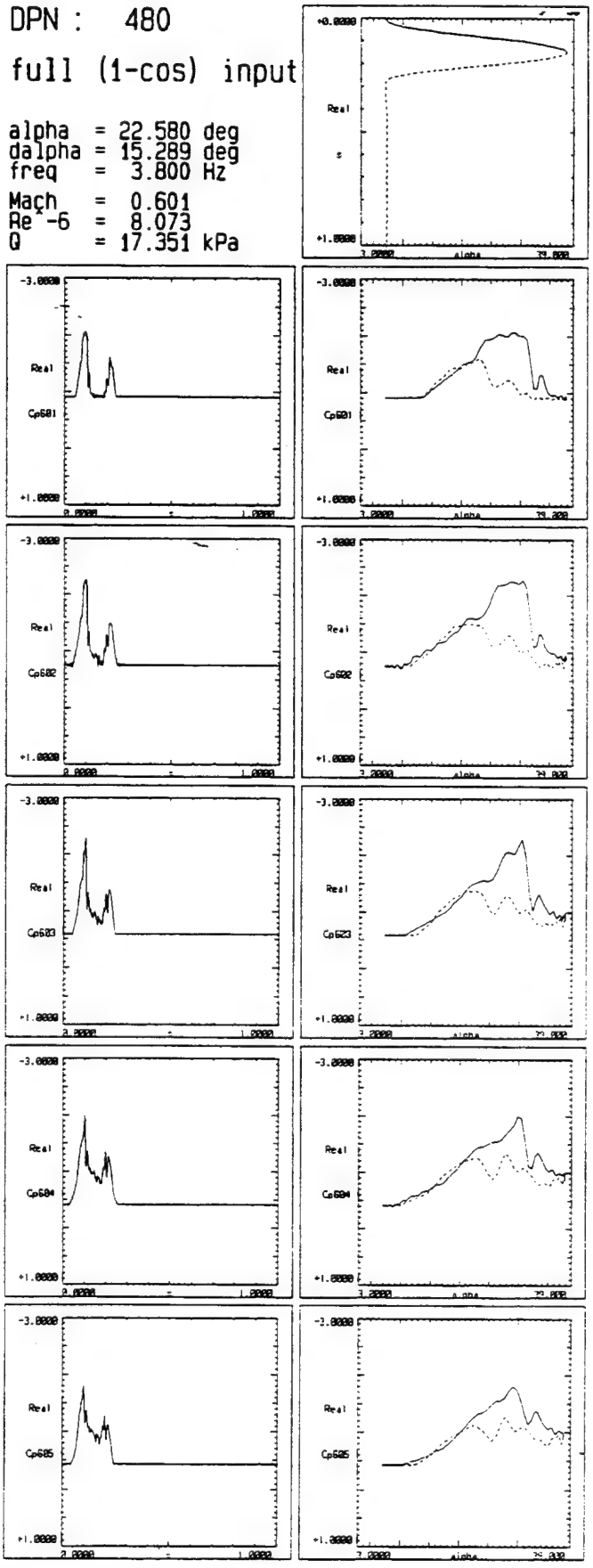


DPN : 480

full (1-cos) input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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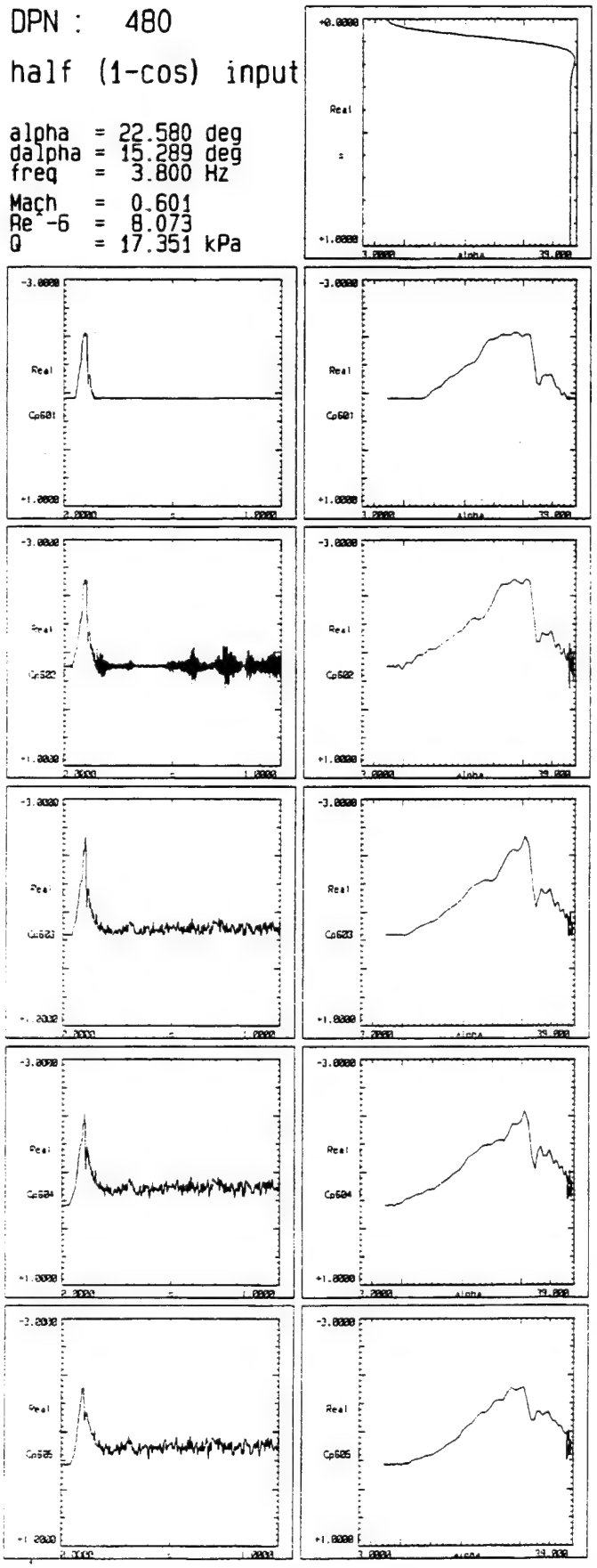

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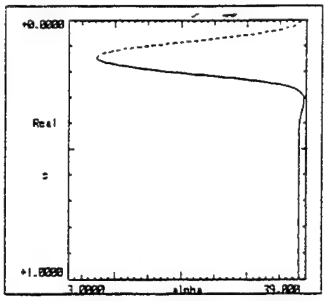

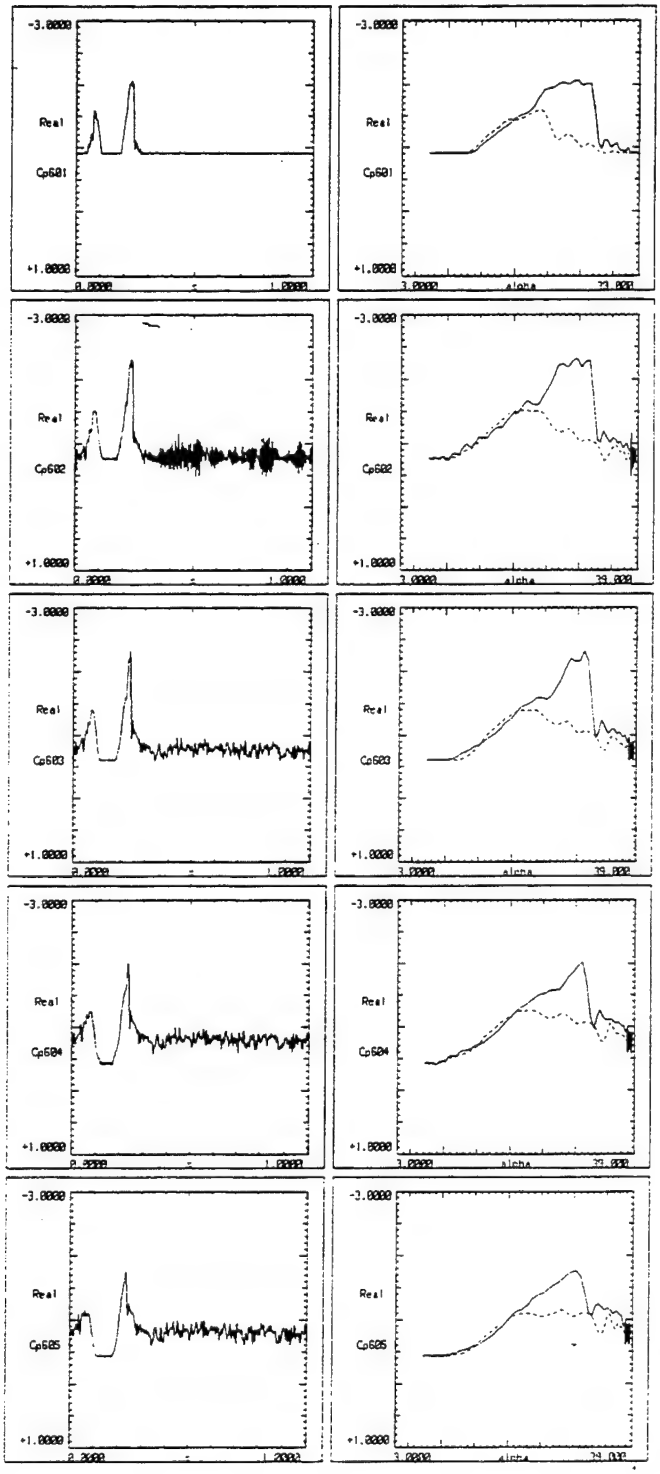

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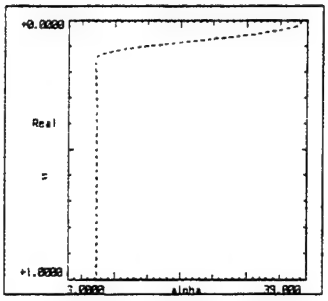

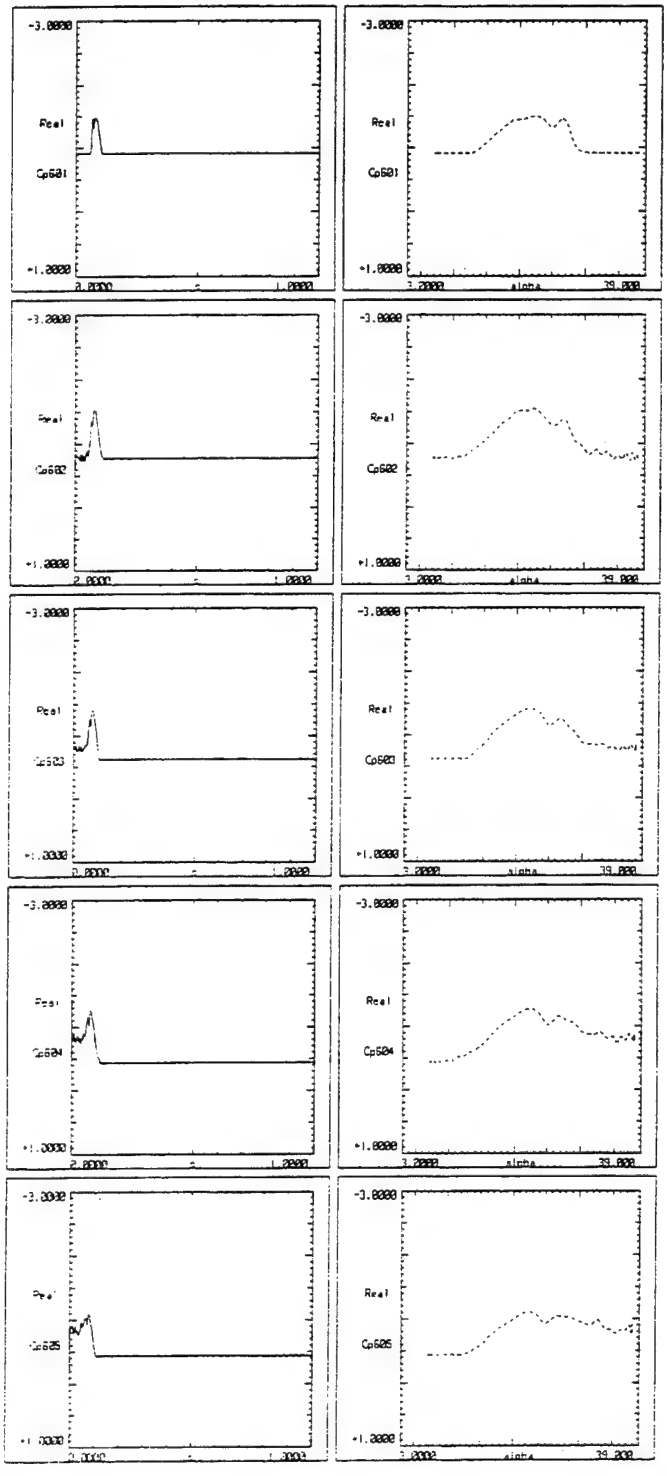

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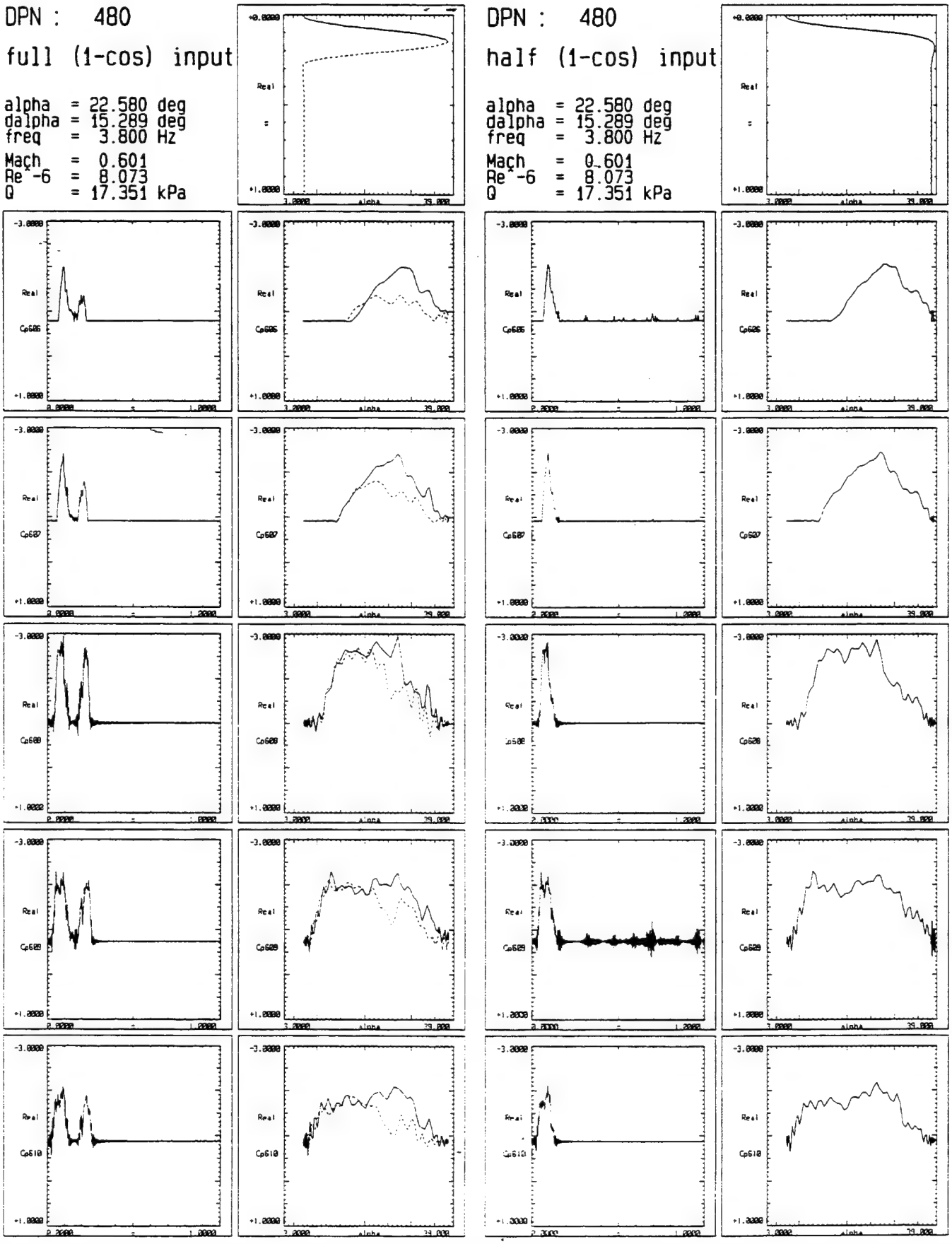

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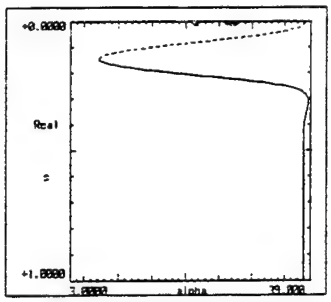

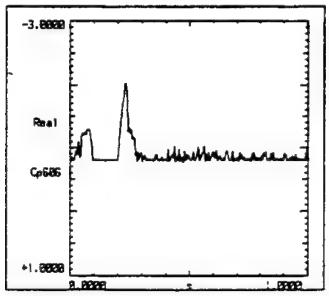

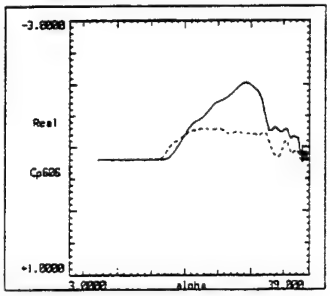

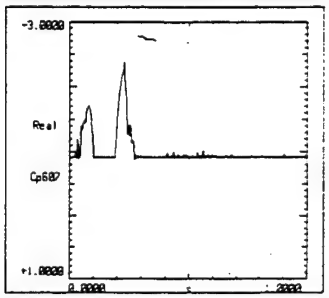

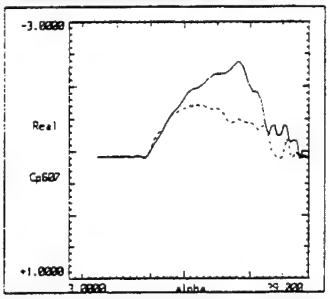

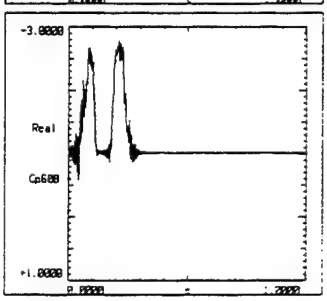

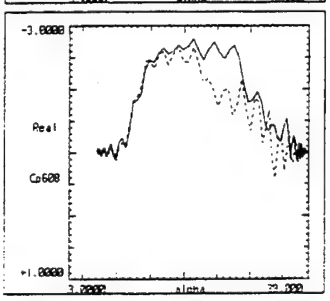

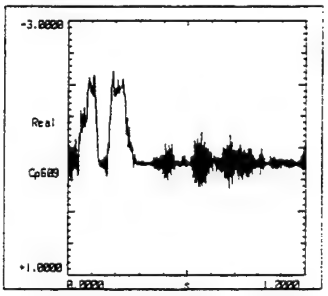

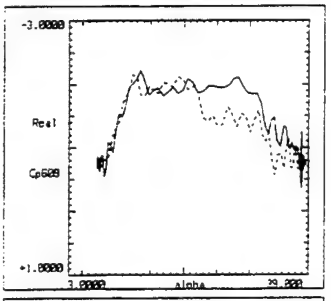

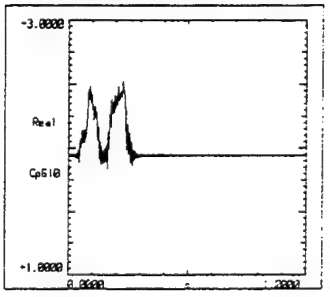

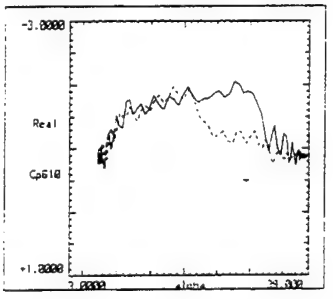

DPN : 480

half cos input

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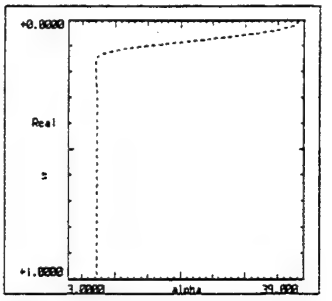

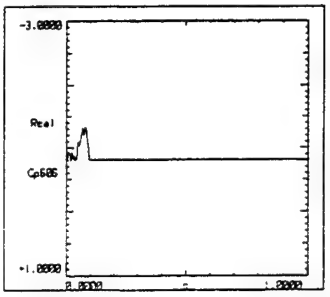

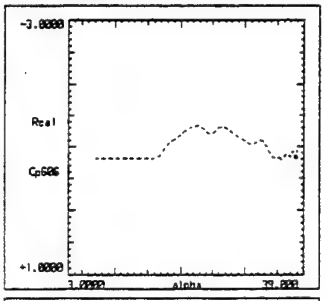

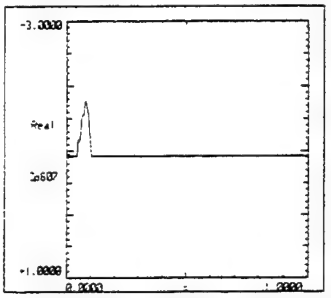

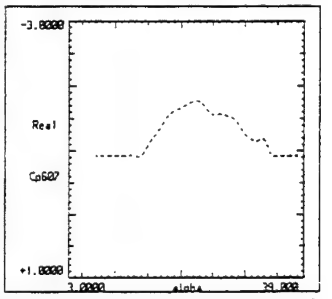

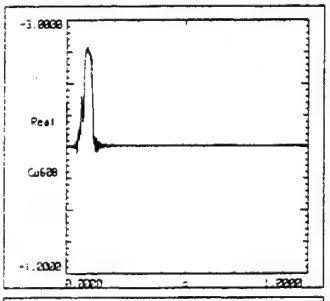

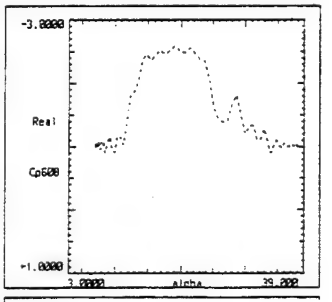

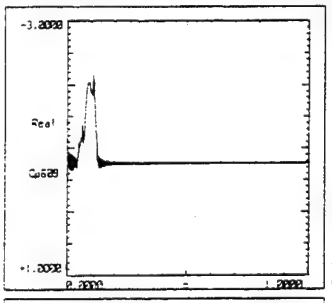

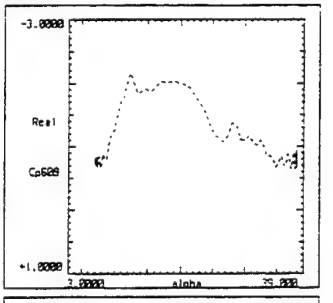

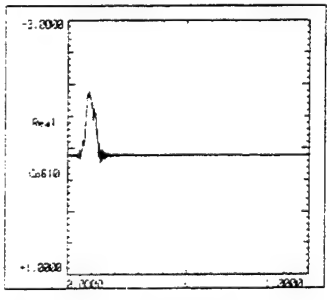

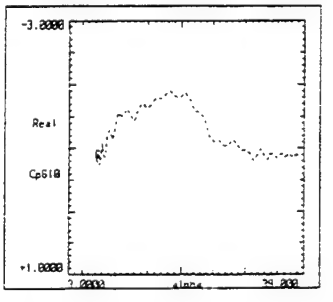

DPN : 480

full (1-cos) input

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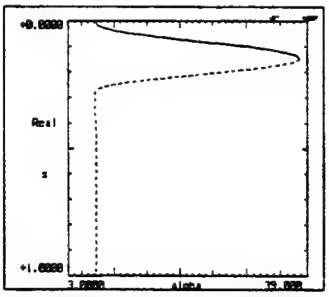
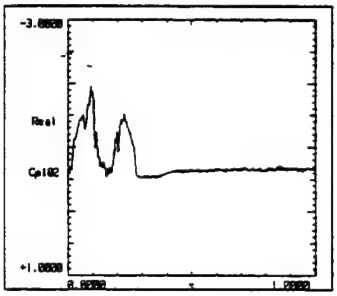
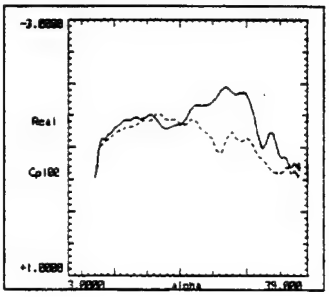
Q = 17.351 kPa







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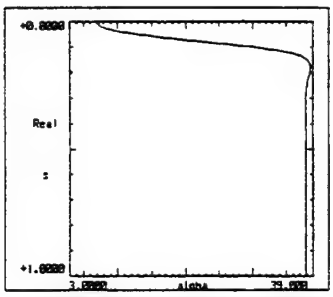

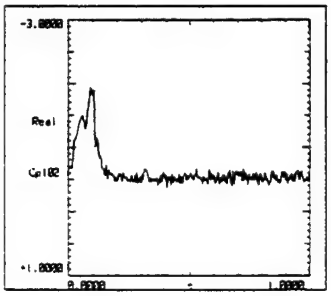

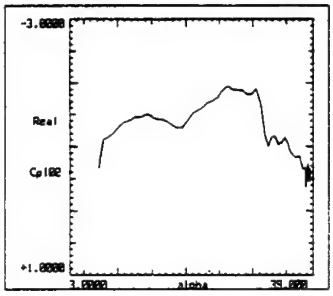

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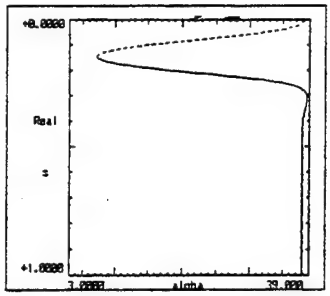
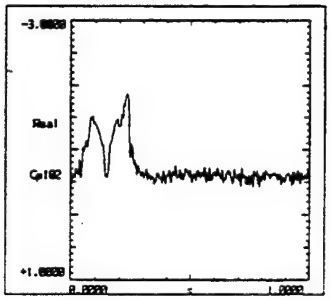
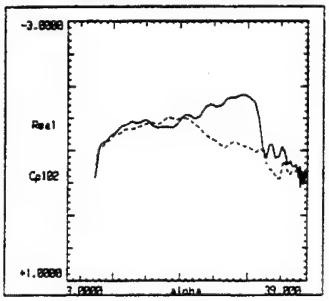




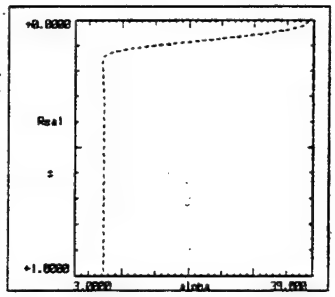


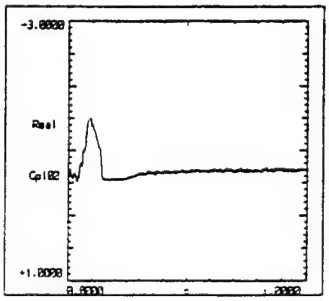
DPN : 480

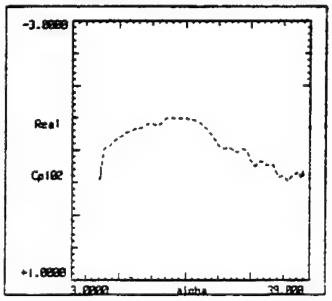
half cos input

alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa







DPN : 480

full (1-cos) input

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Mach = 0.601
Re^-6 = 8.073
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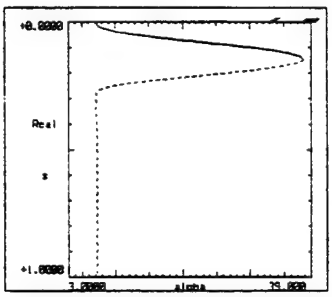

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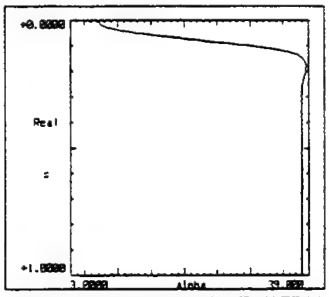

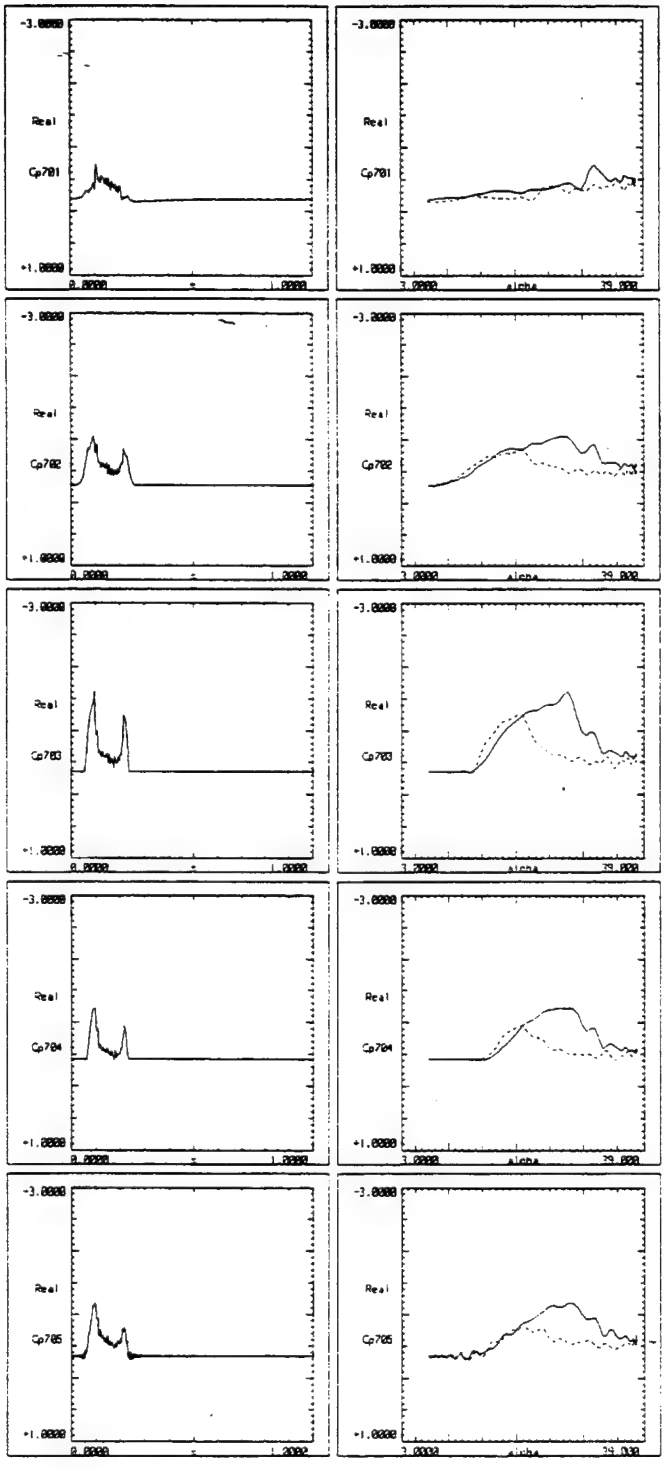

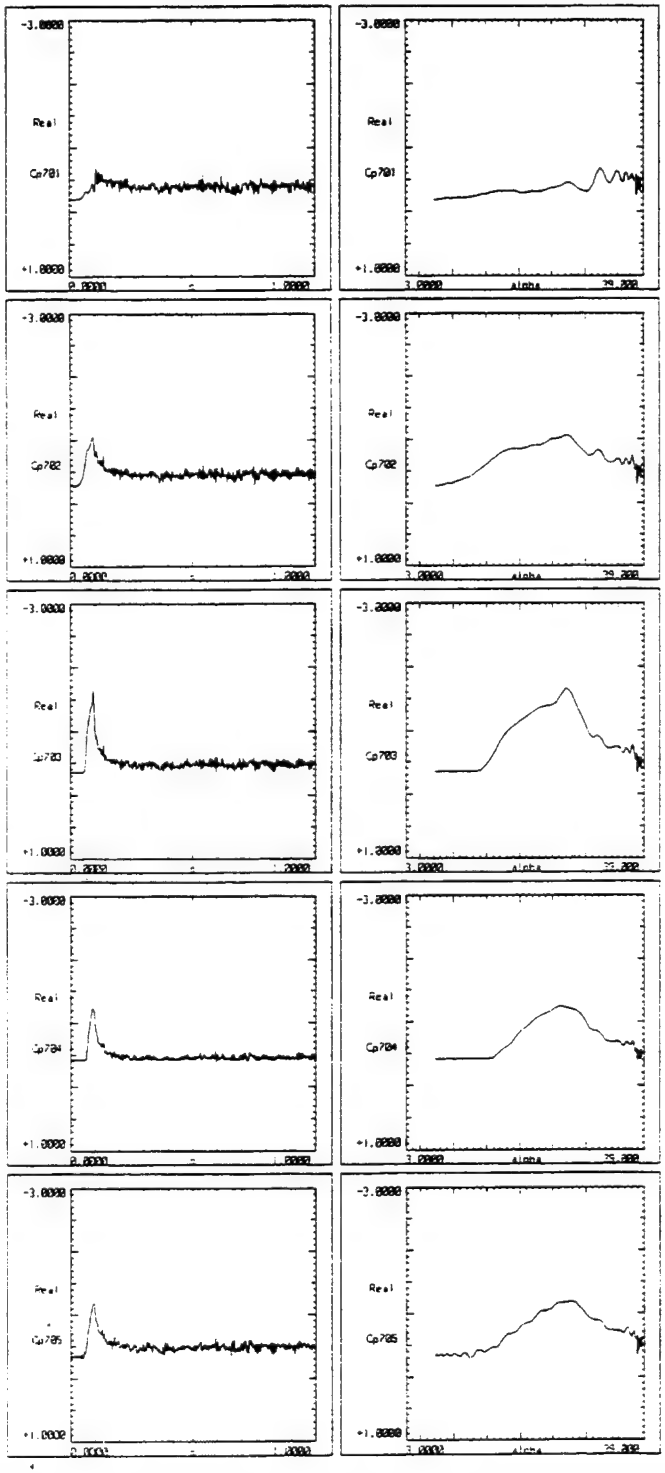

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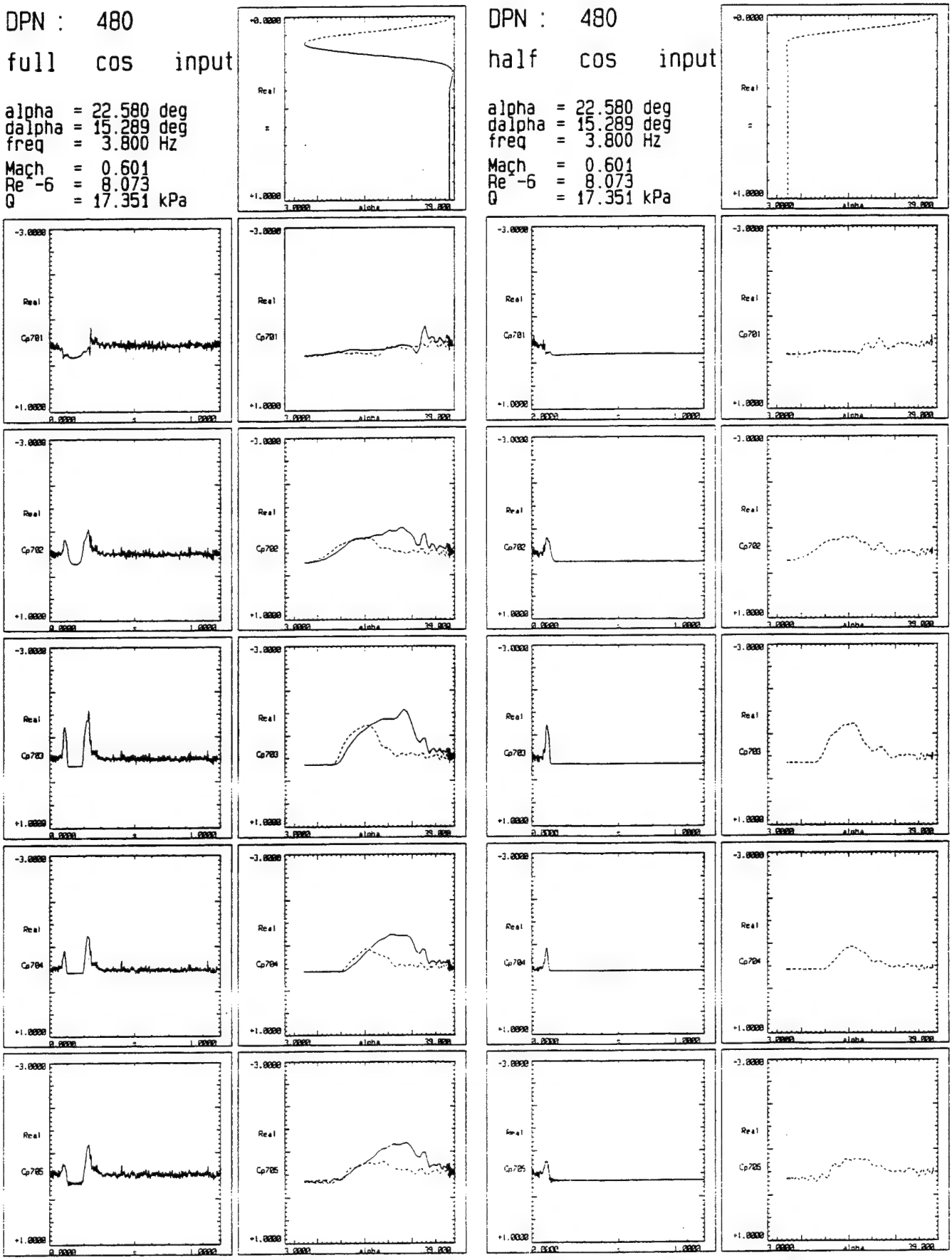

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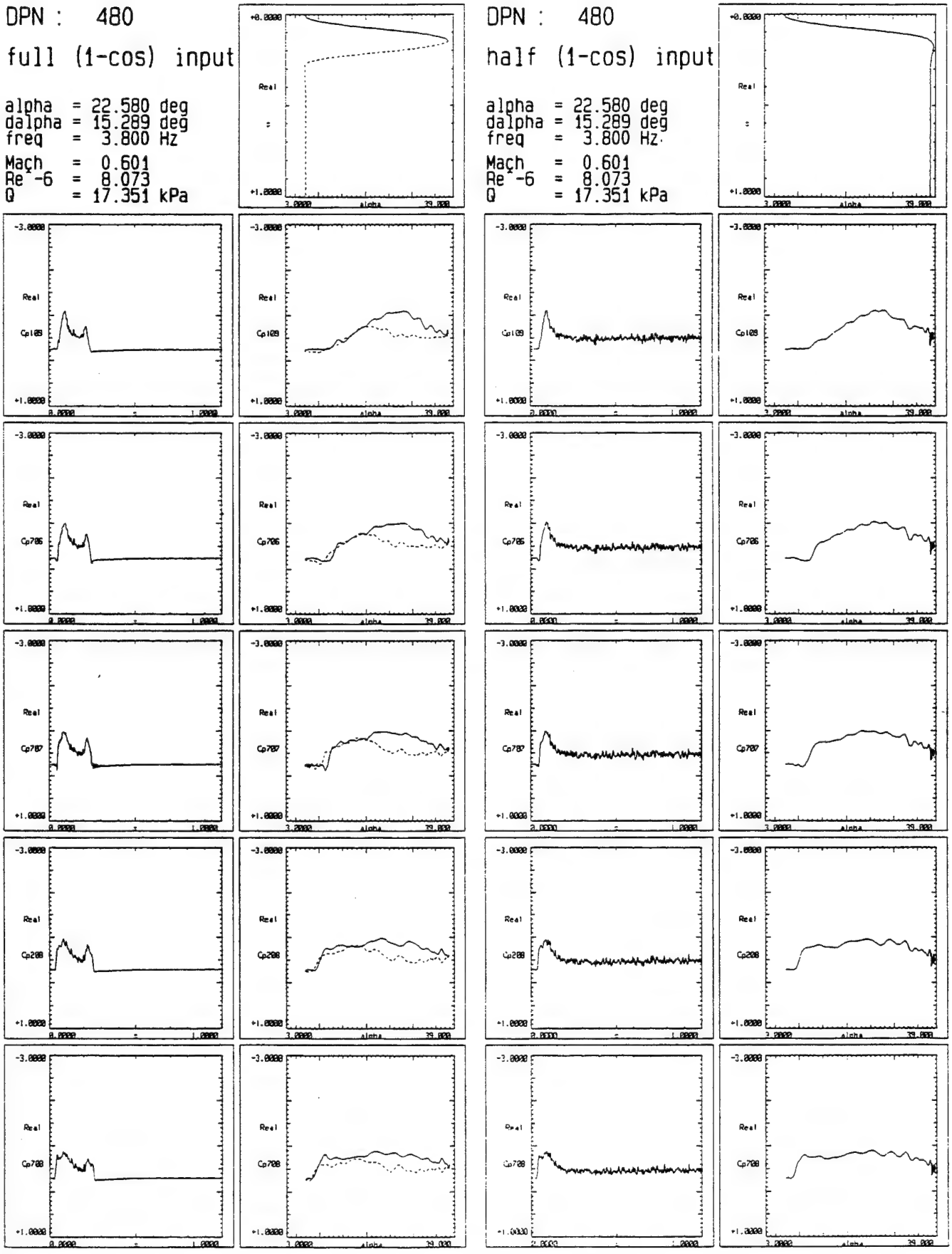

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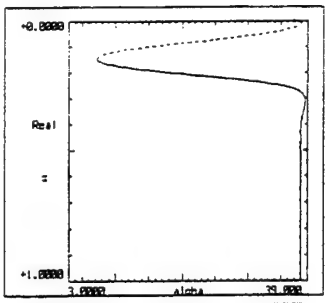

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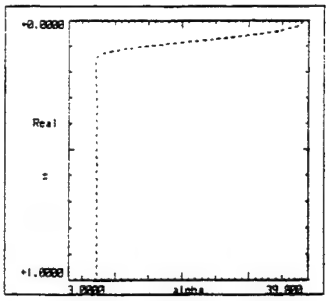

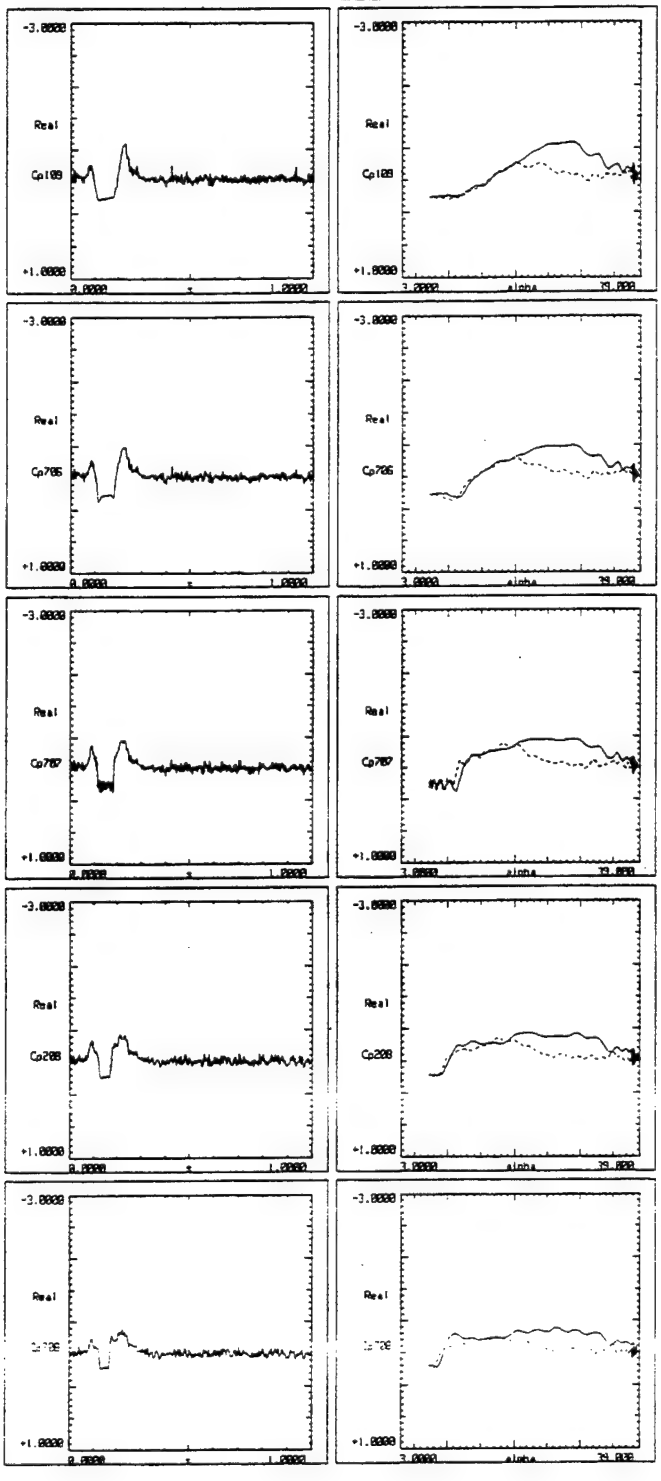

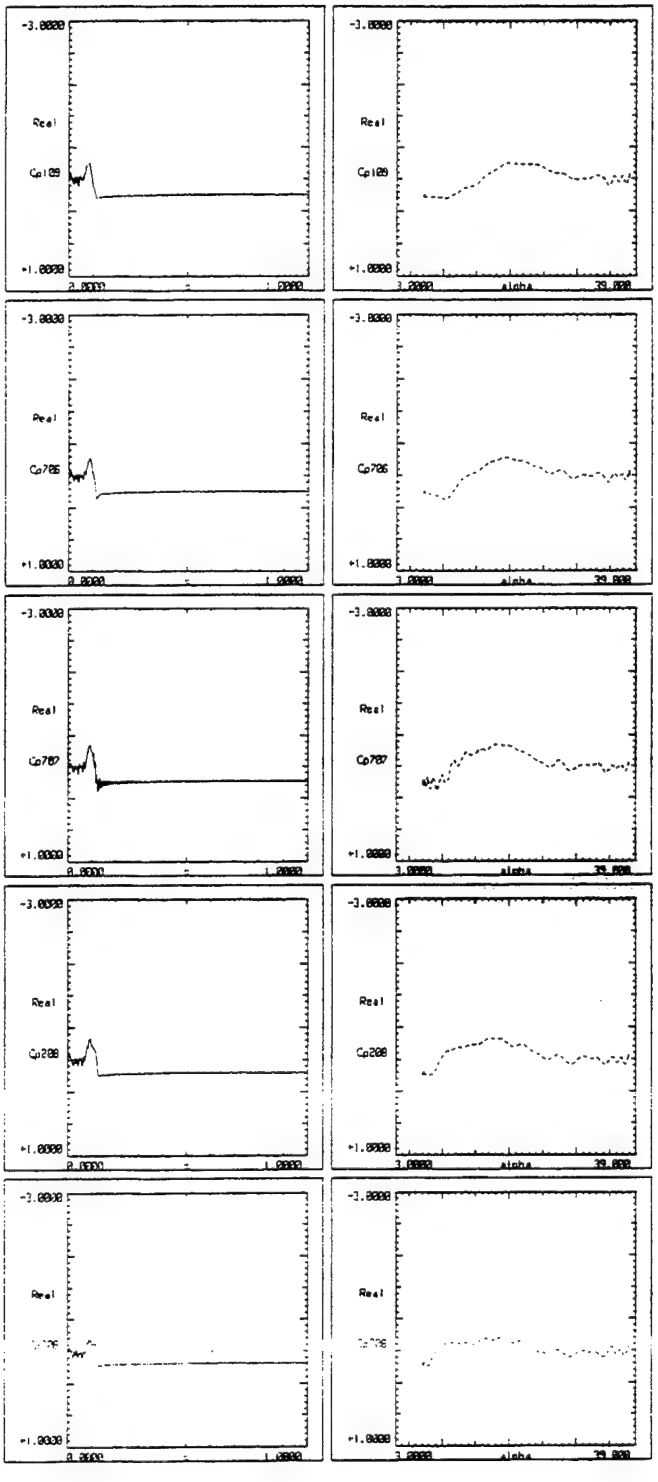

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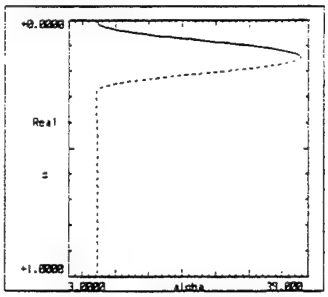

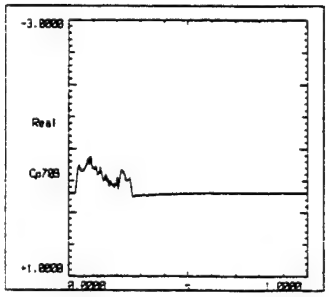

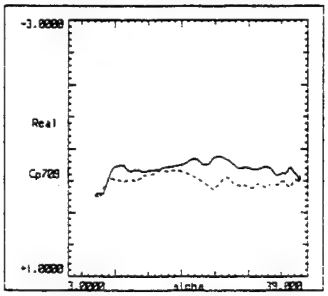

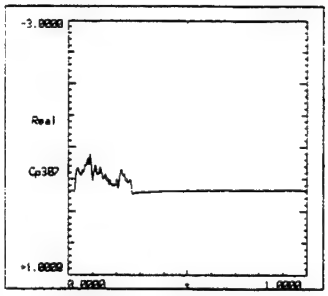

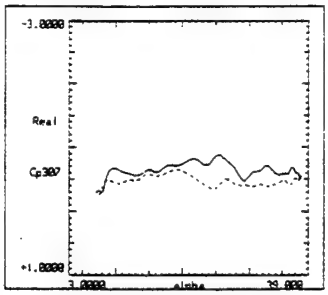

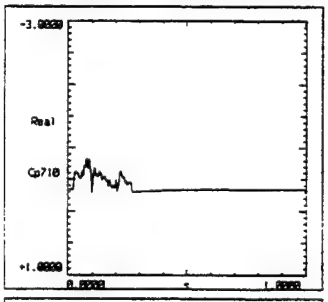

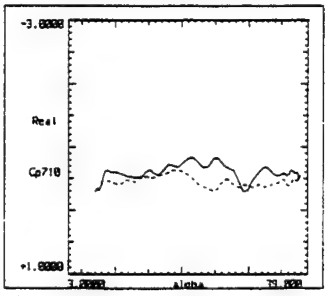

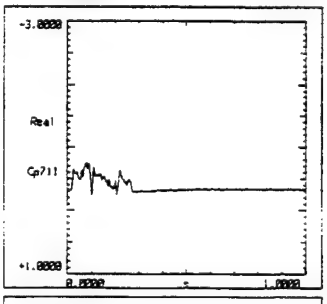

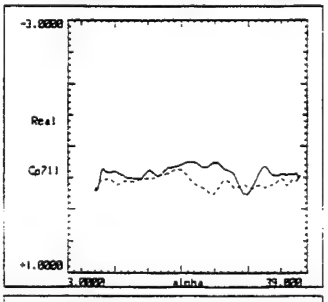

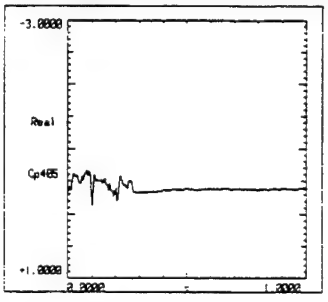

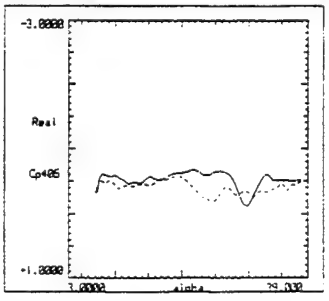

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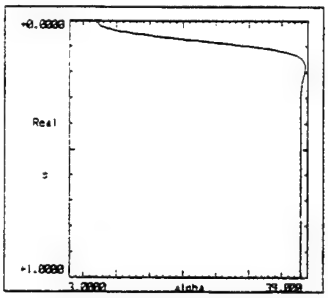

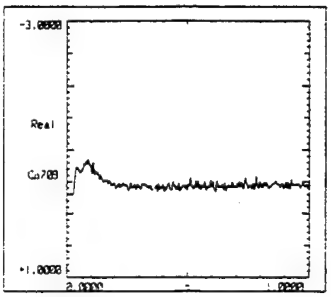

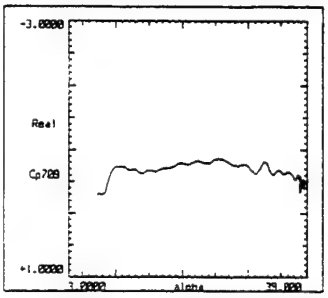

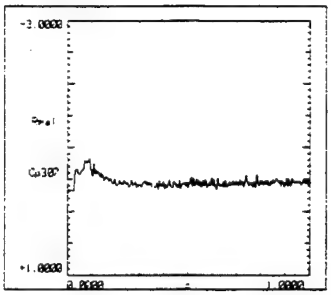

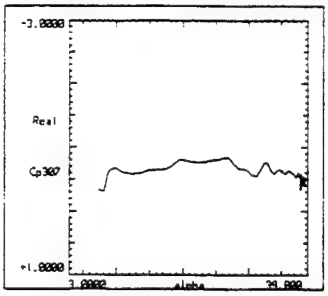

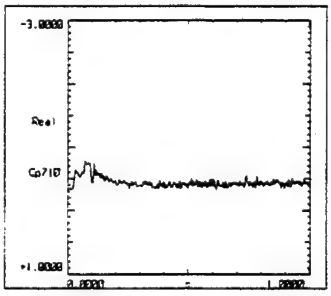

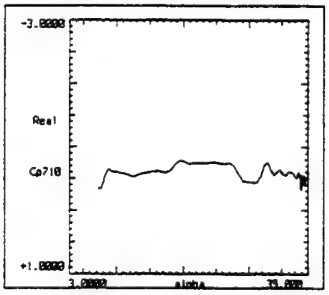

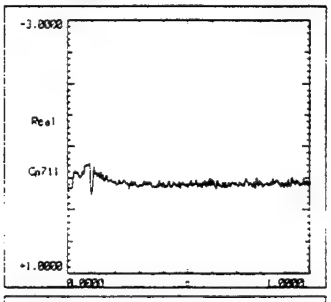

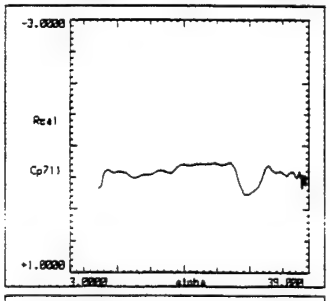

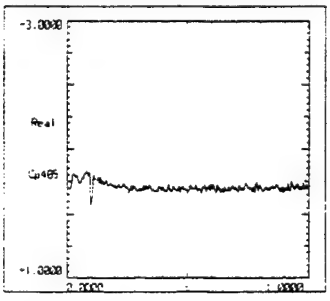

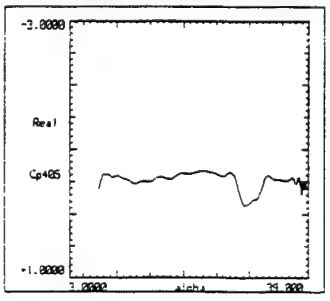

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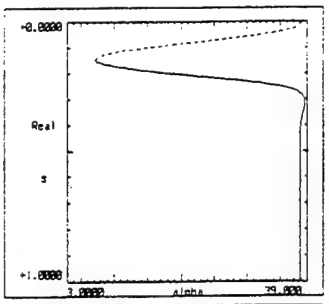

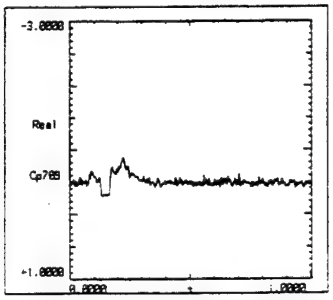

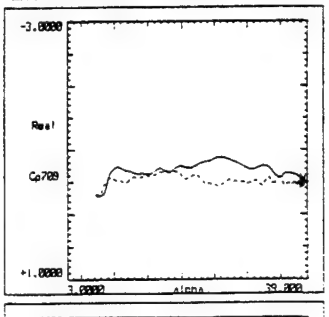

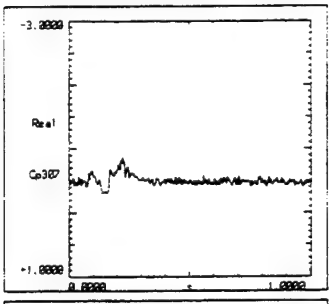

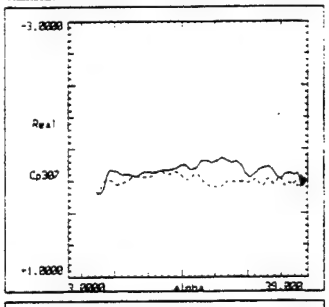

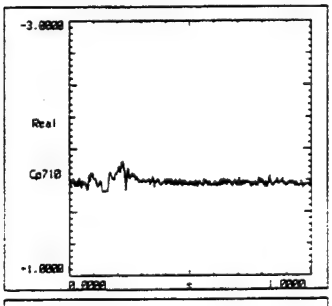

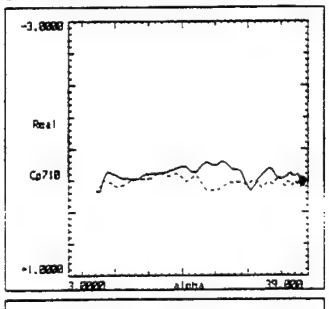

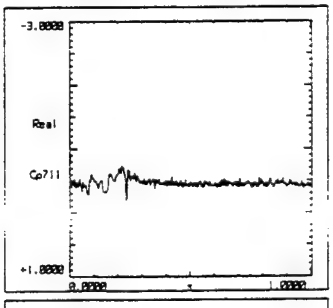

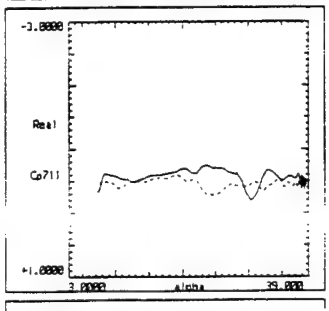

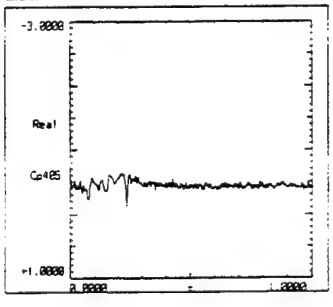

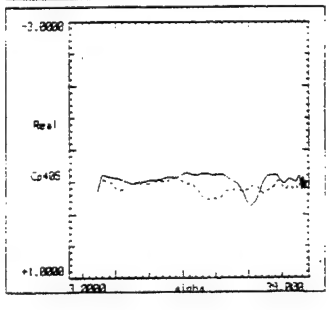

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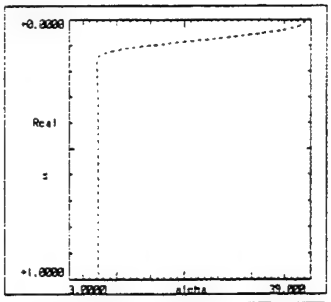

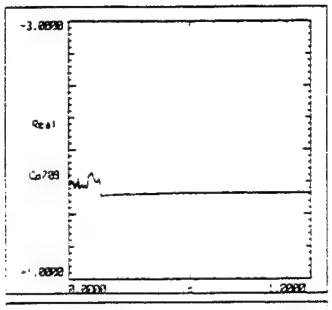

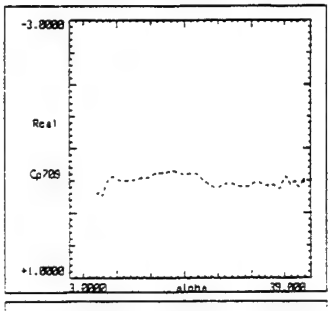

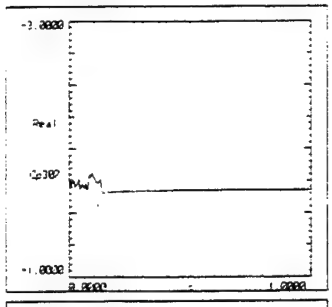

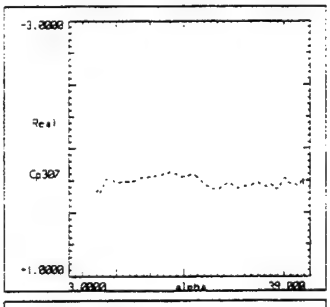

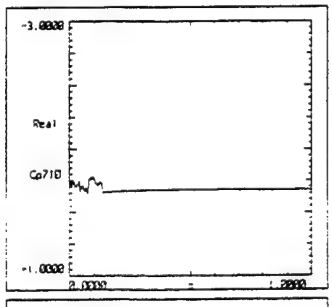

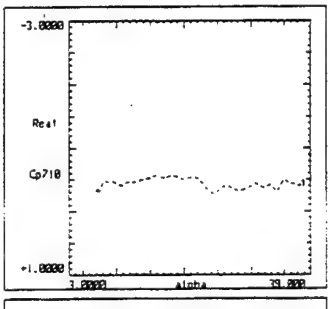

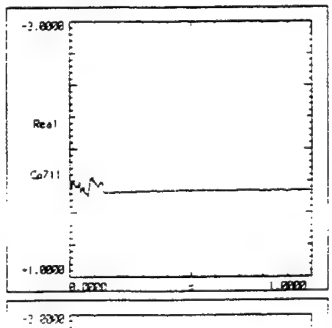

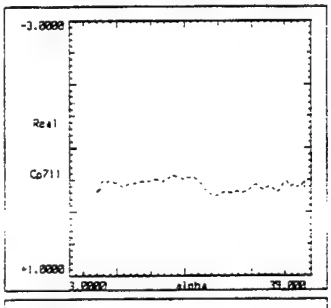

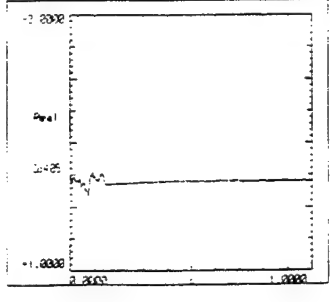

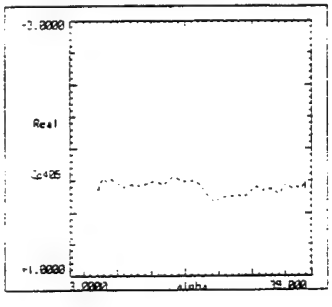

DPN : 480

full (1-cos) input

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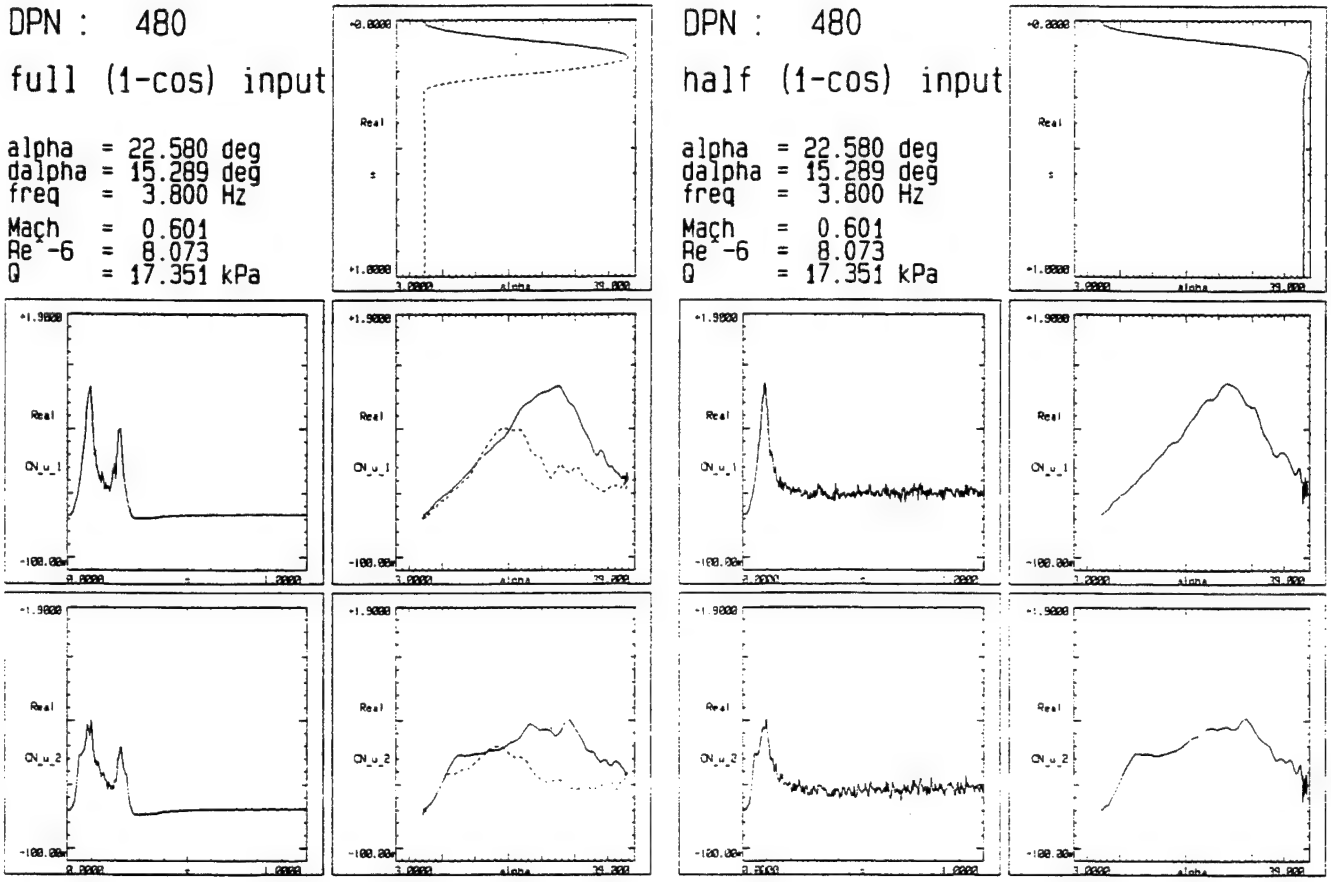
dalpha = 15.289 deg
freq = 3.800 Hz

Mach = 0.601
Re -6 = 8.073
Q = 17.351 kPa



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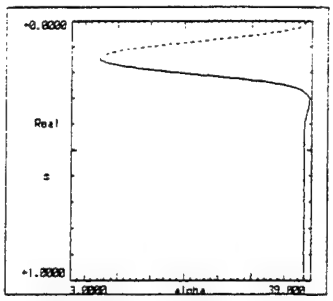

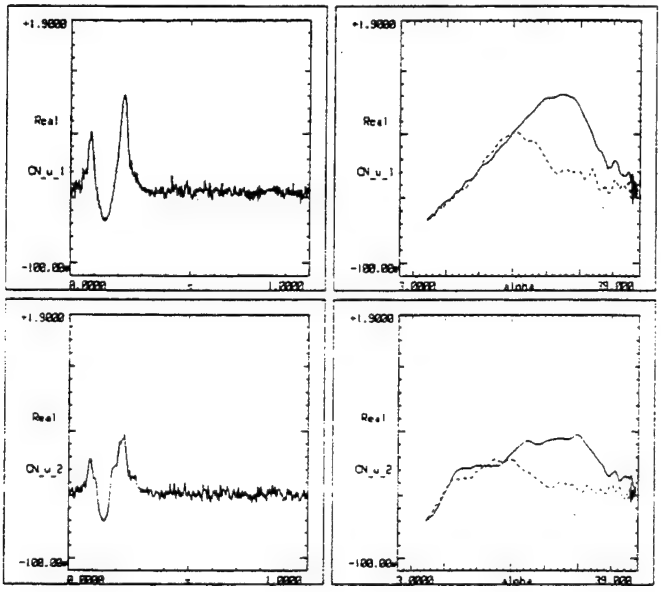

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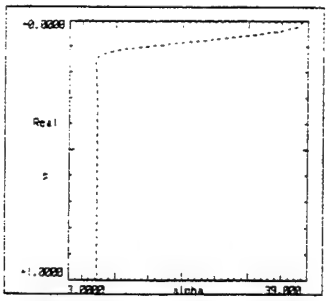

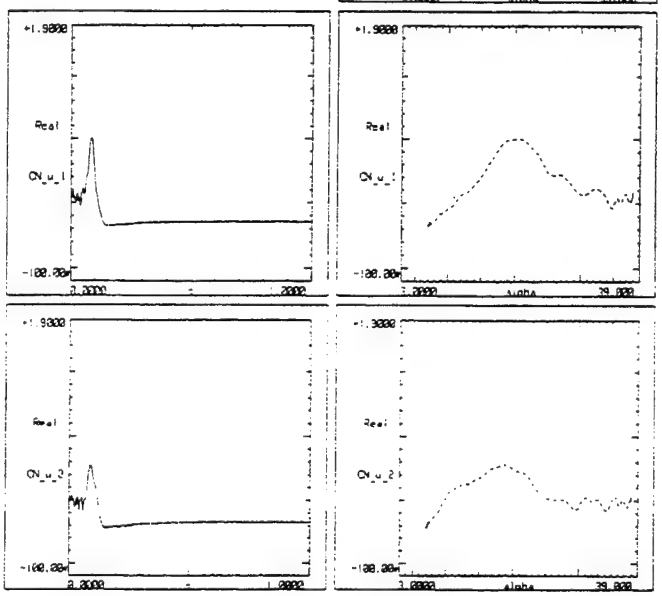

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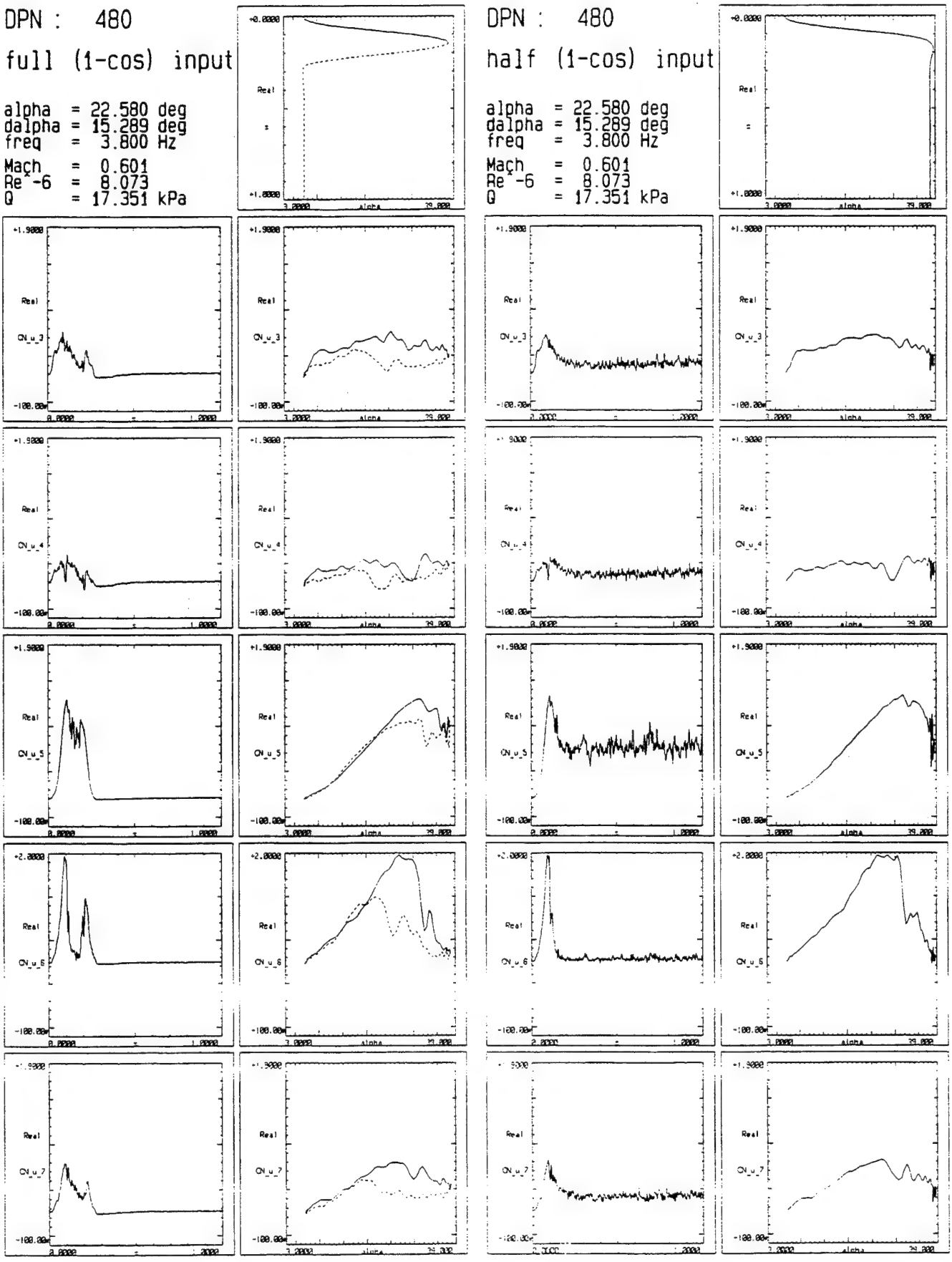

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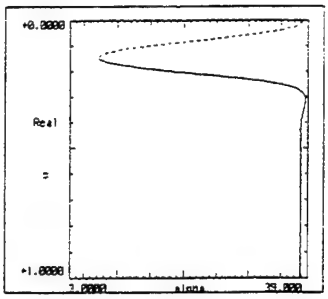

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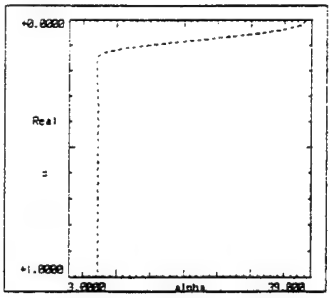

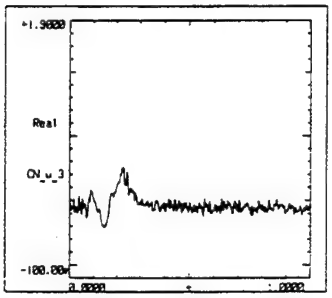

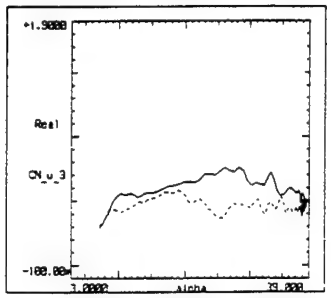

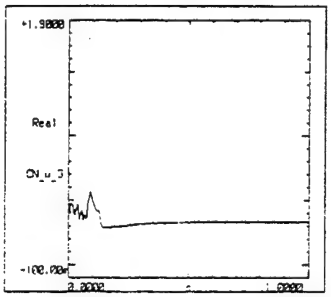

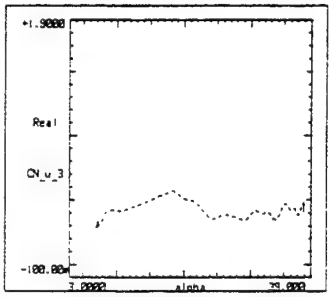

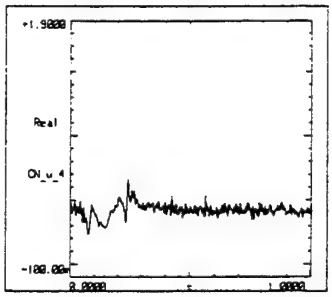

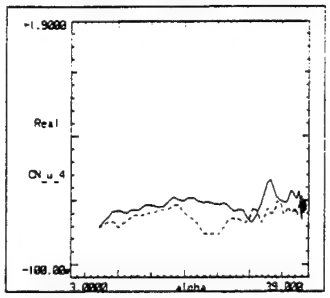

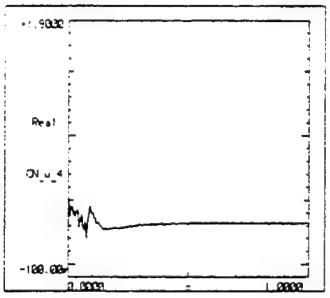

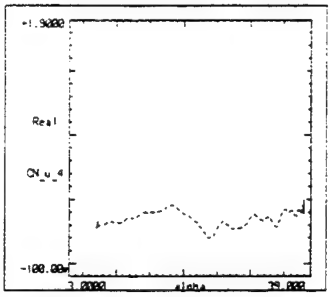

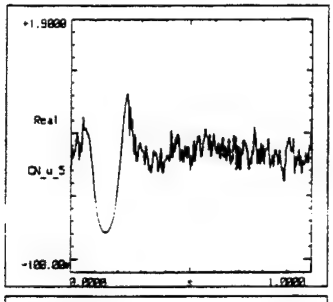

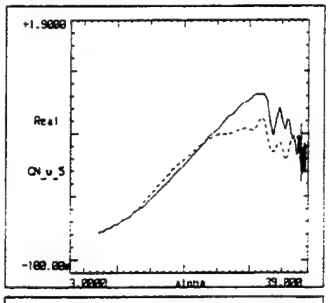

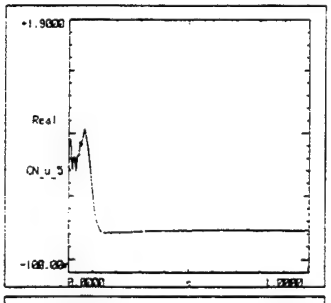

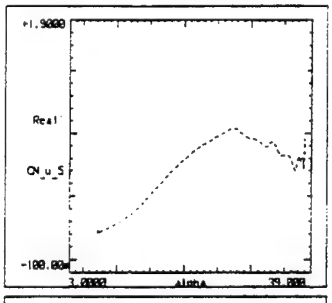

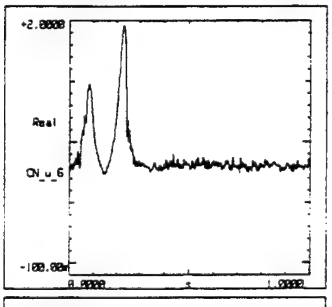

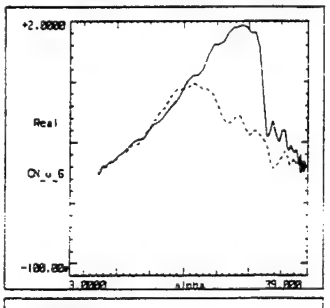

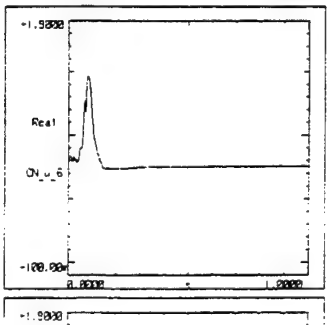

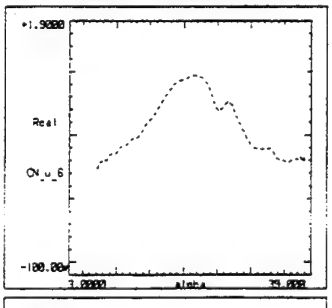

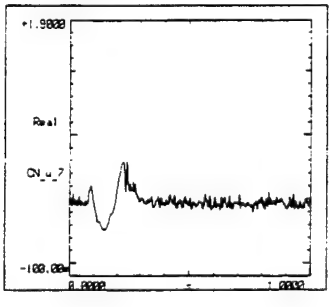

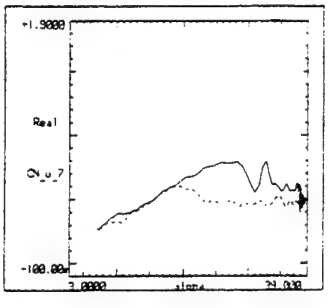

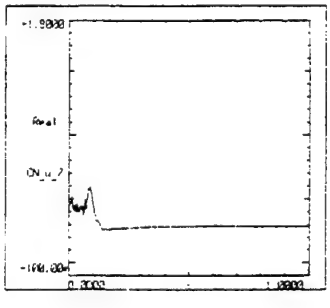

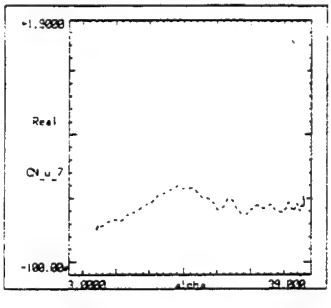

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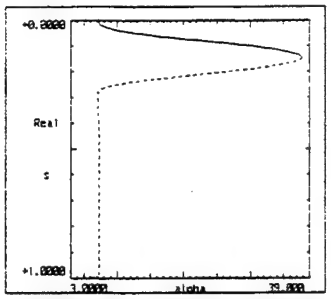

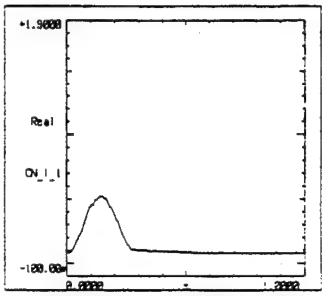

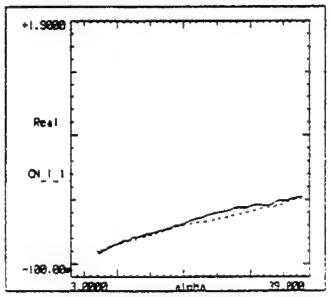

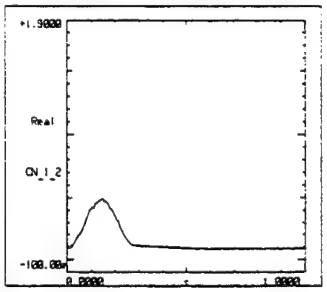

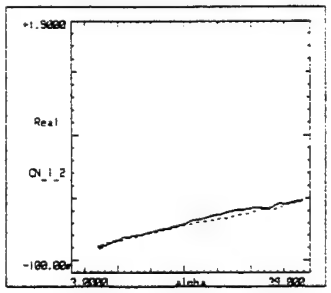

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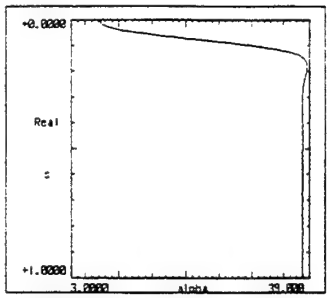

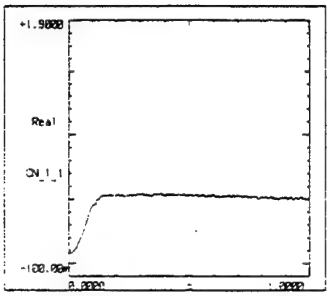

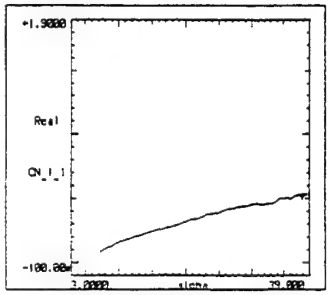

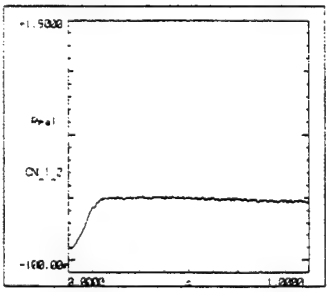

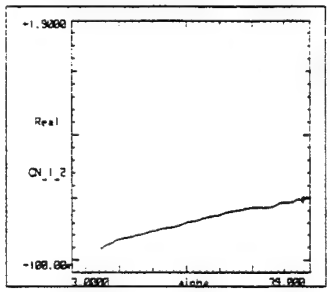

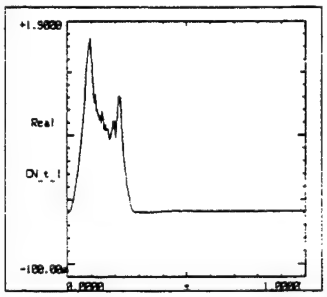

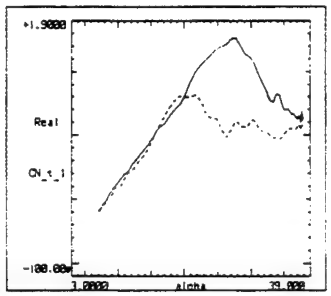

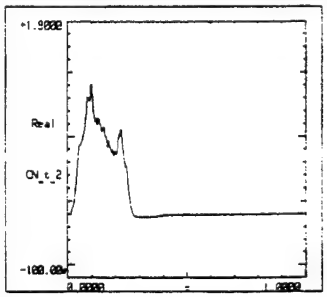

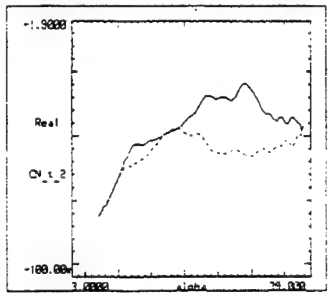

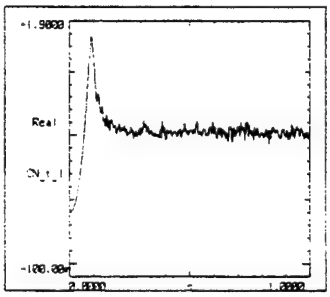

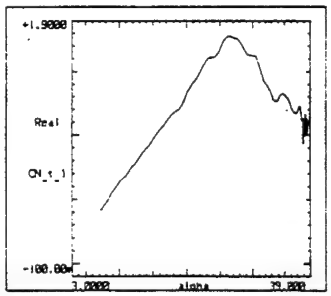

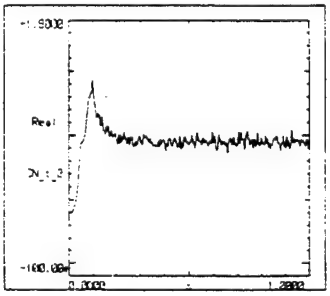

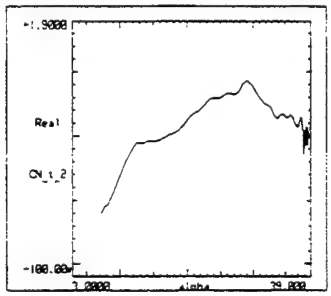

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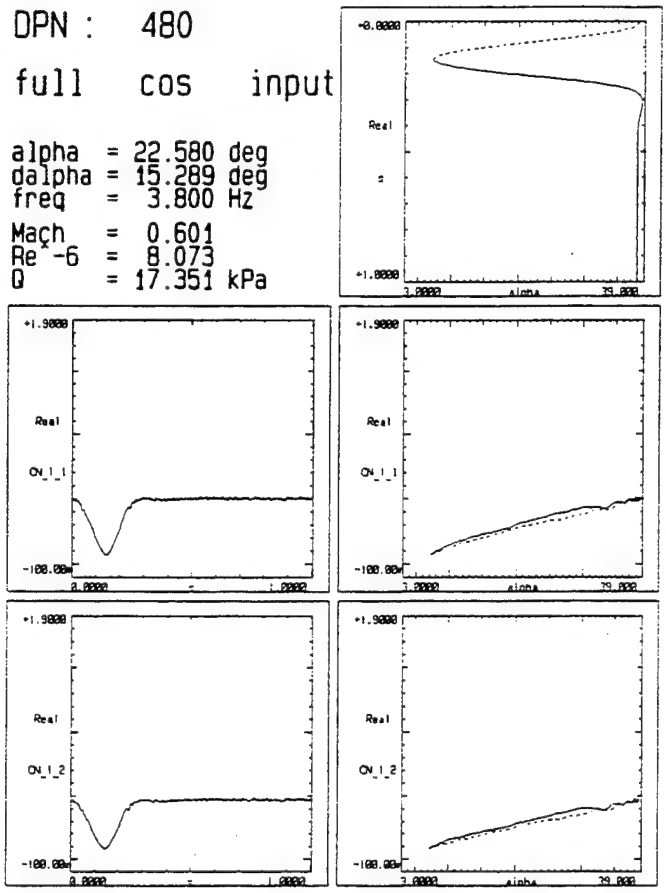

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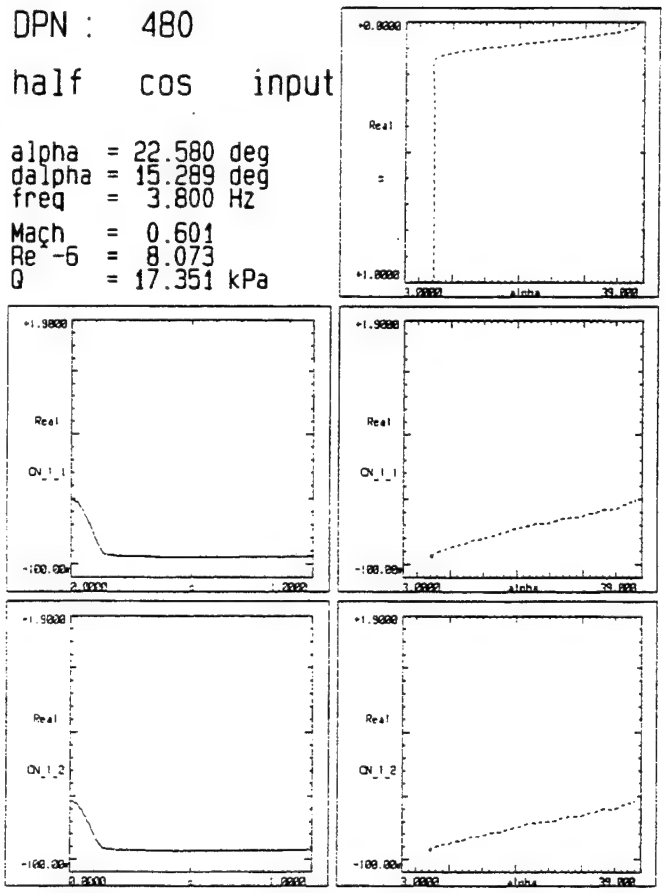

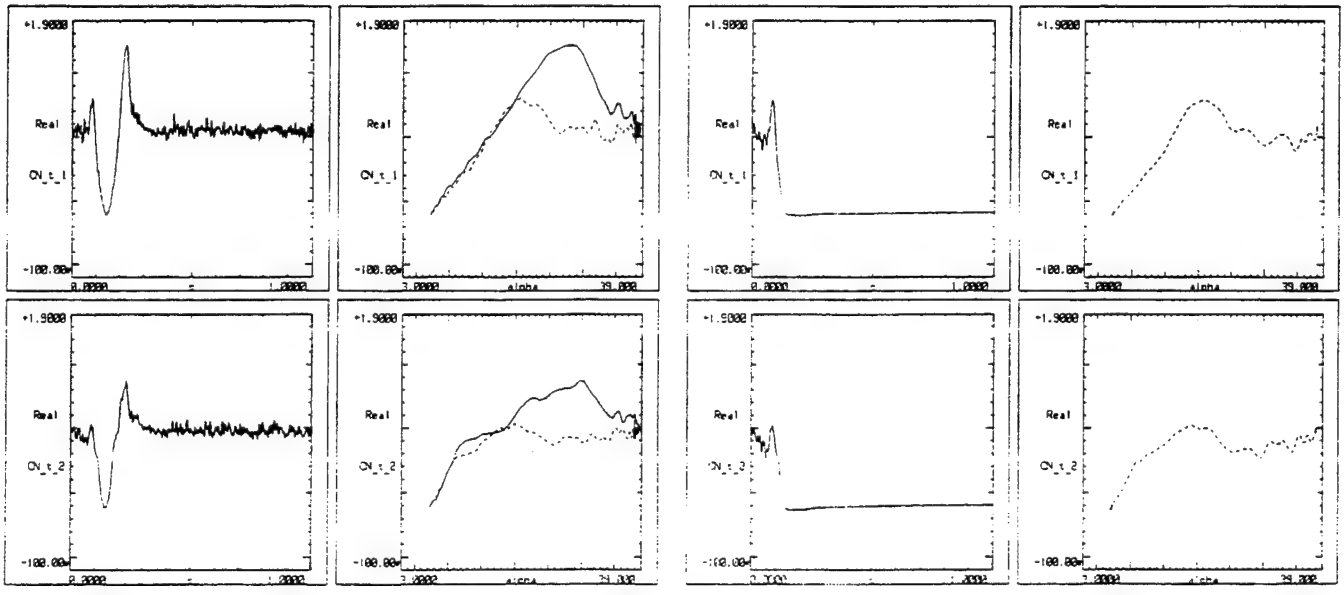

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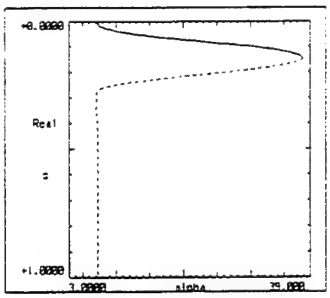
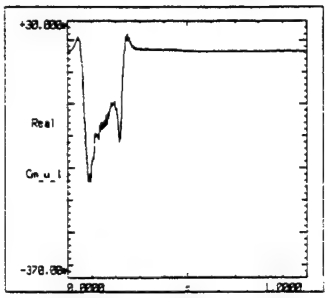
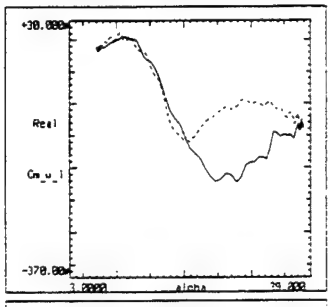
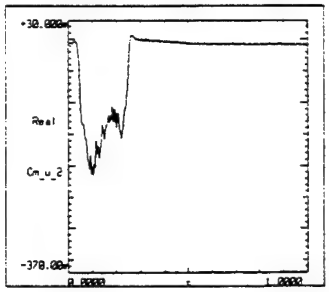
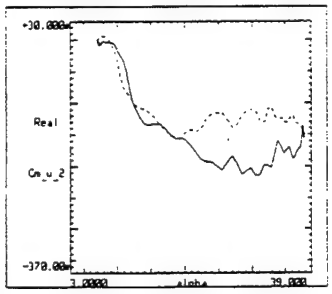








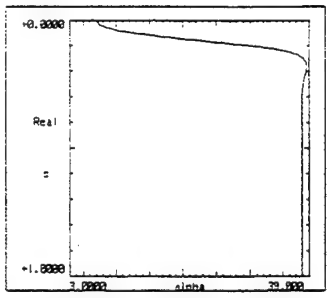


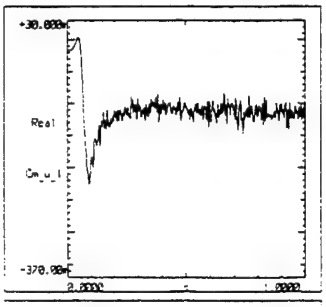
DPN : 480

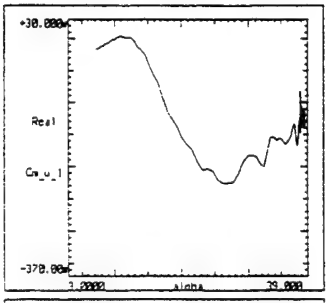
half (1-cos) input

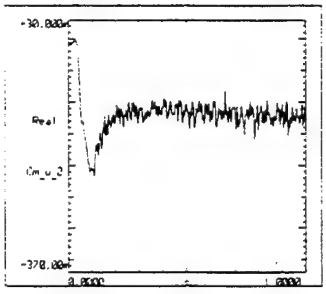
alpha = 22.580 deg
dalpha = 15.289 deg
freq = 3.800 Hz

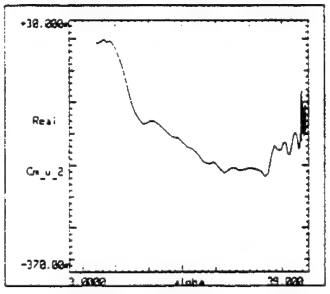
Mach = 0.601
Re^-6 = 8.073
Q = 17.351 kPa











DPN : 480

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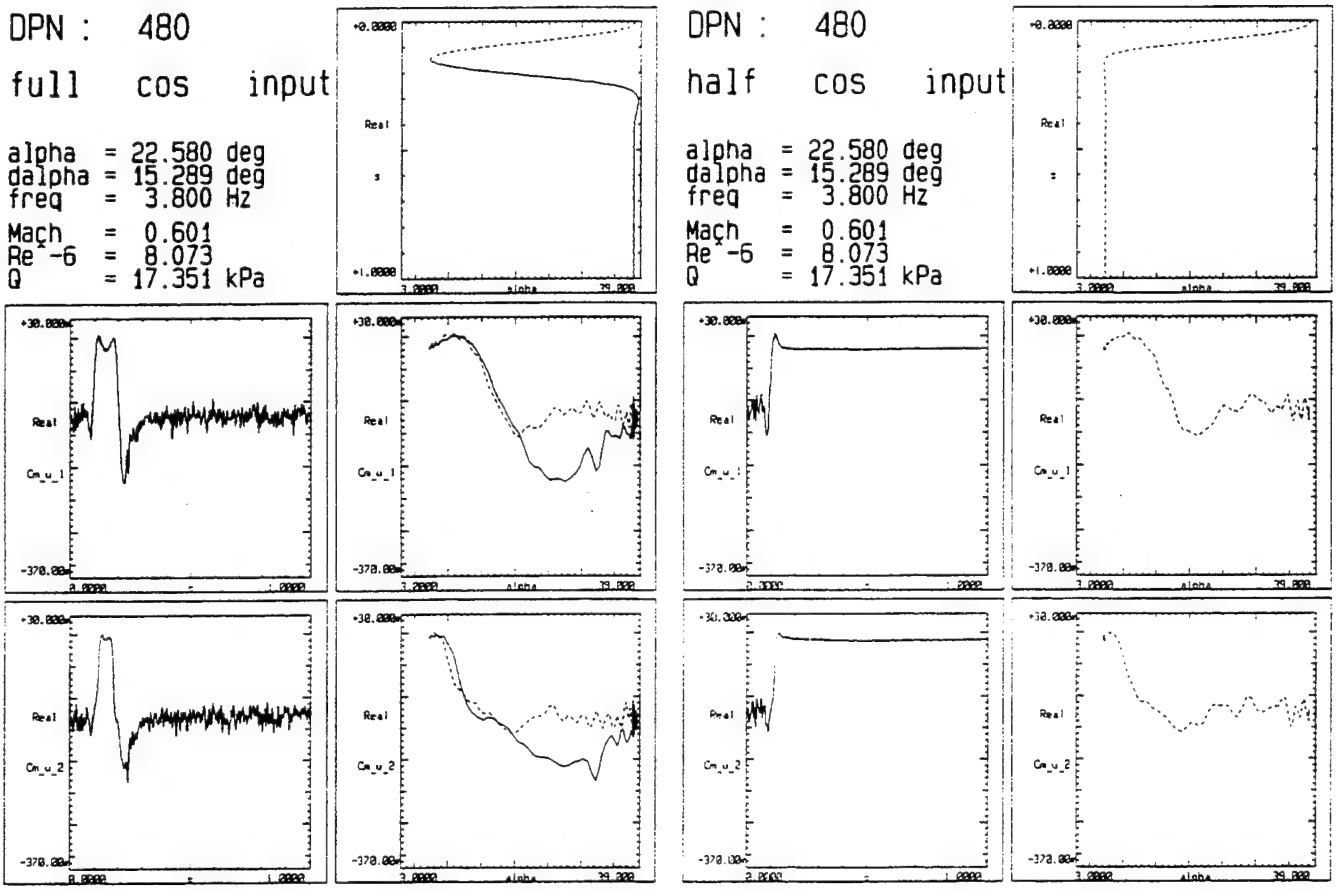

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Re^-6 = 8.073
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DPN : 480

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freq = 3.800 Hz

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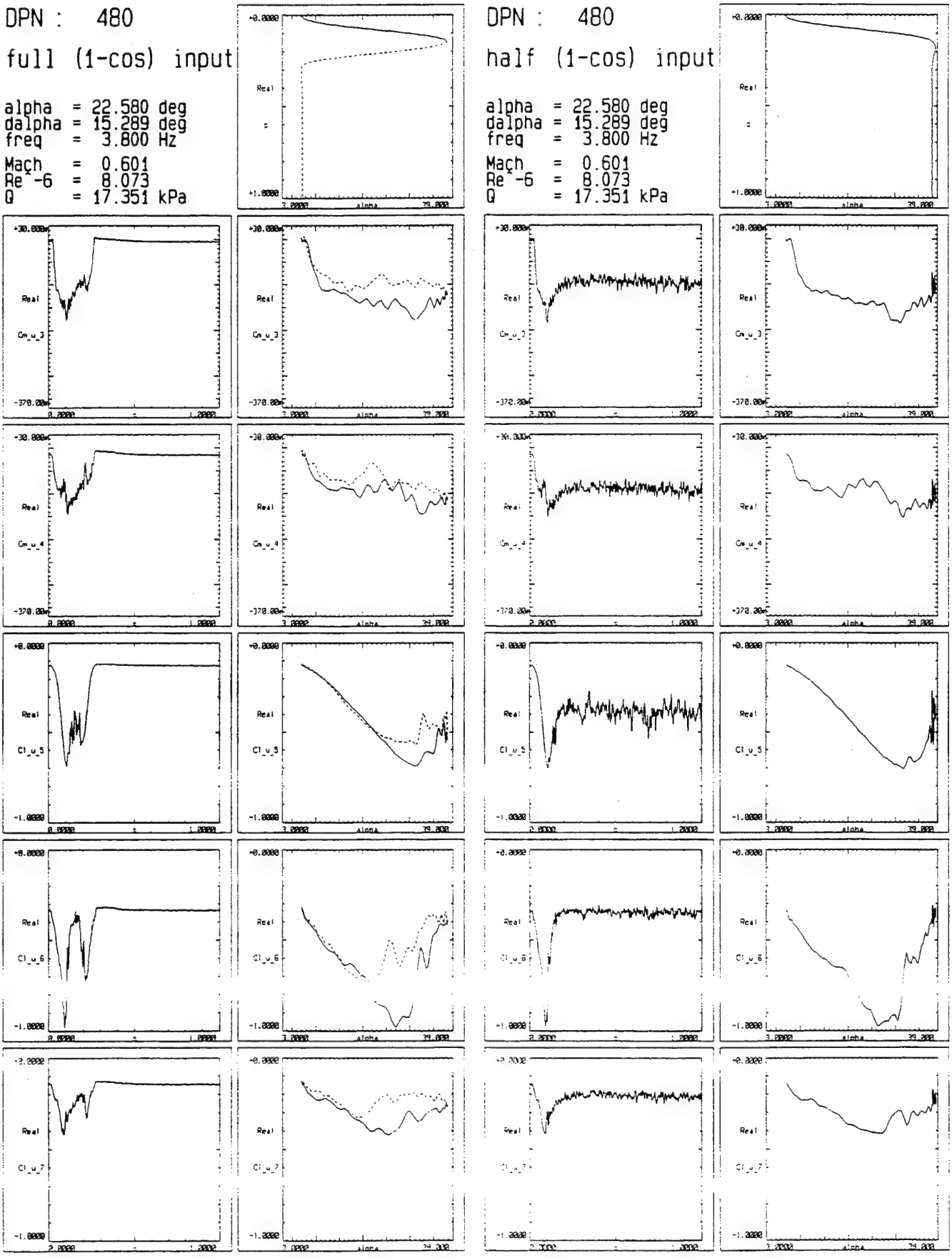

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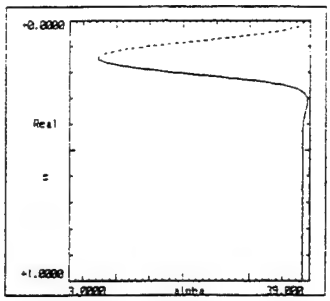

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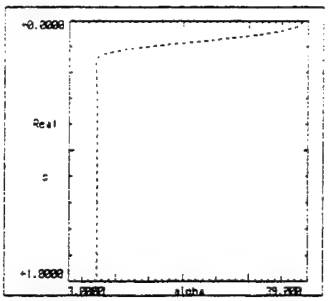

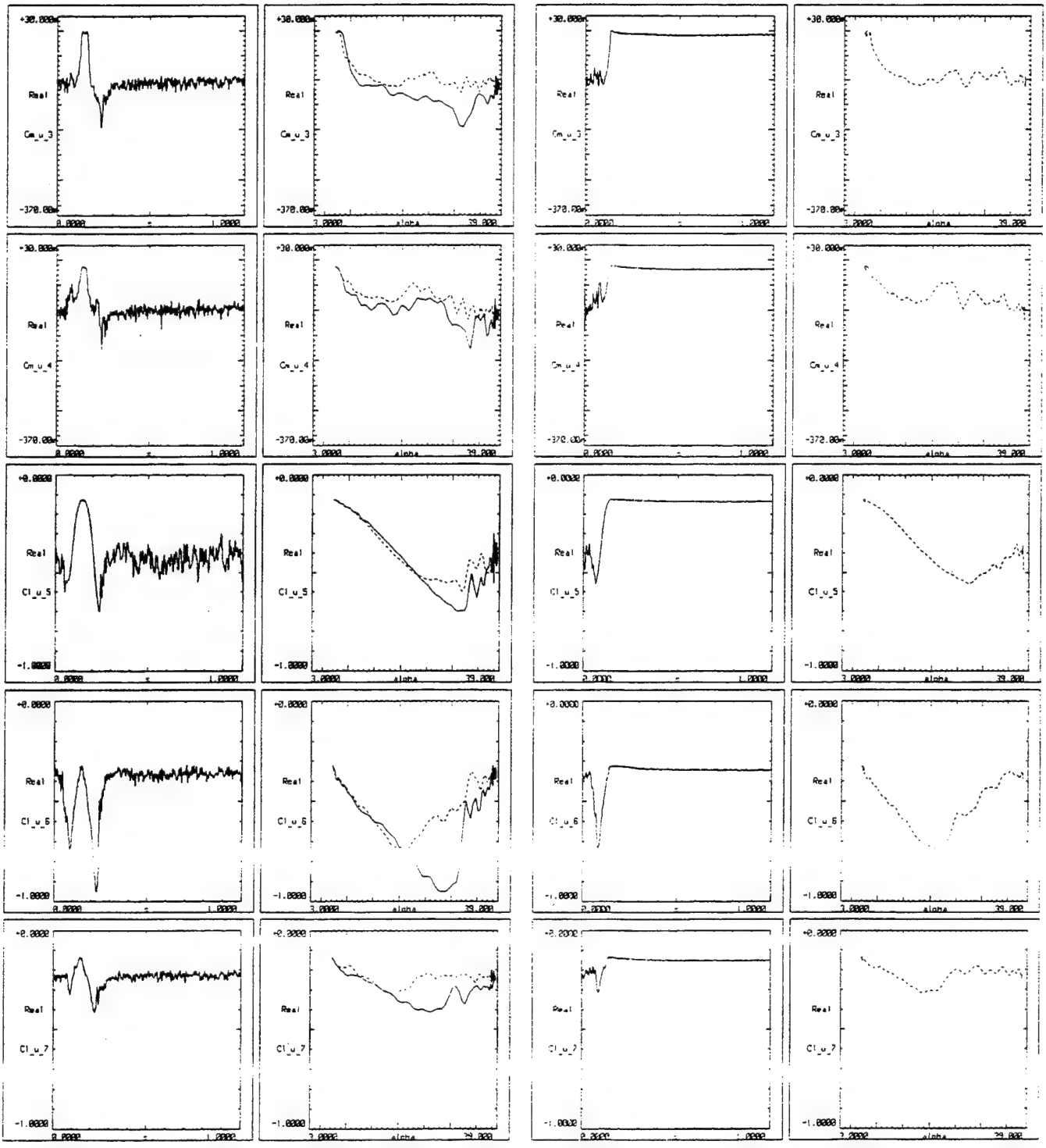

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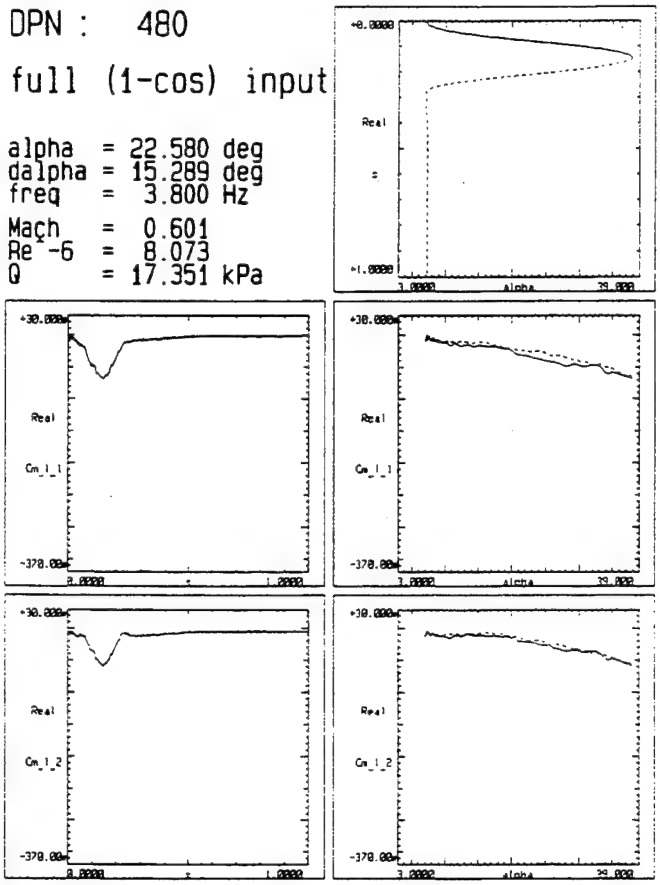

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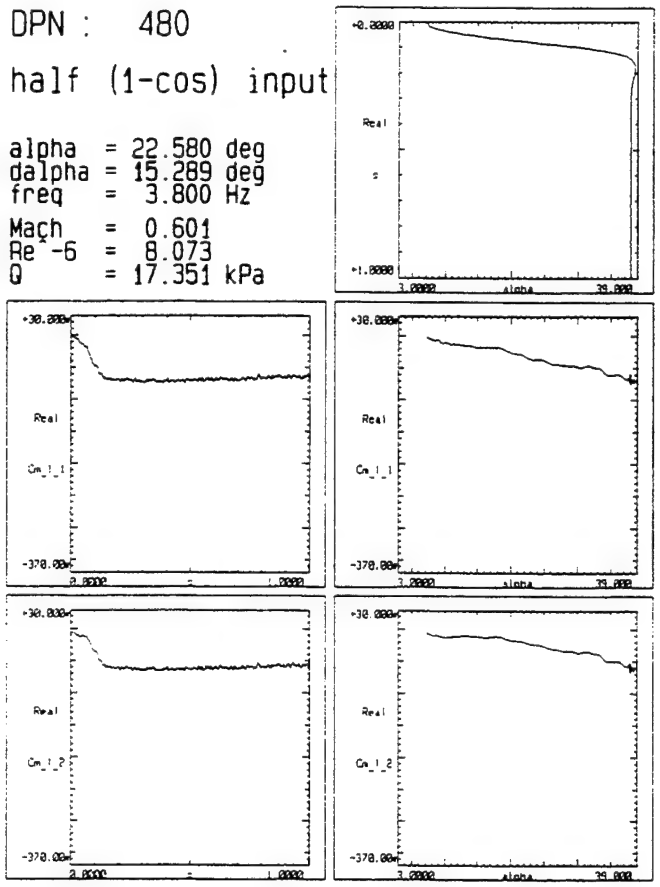

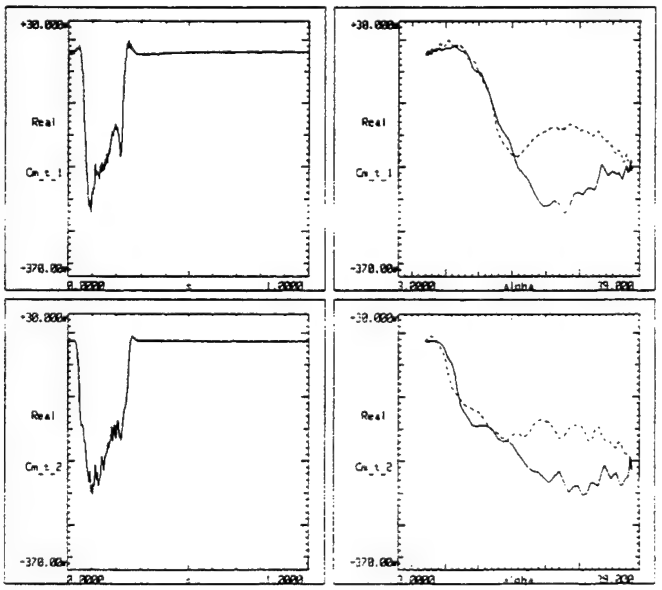

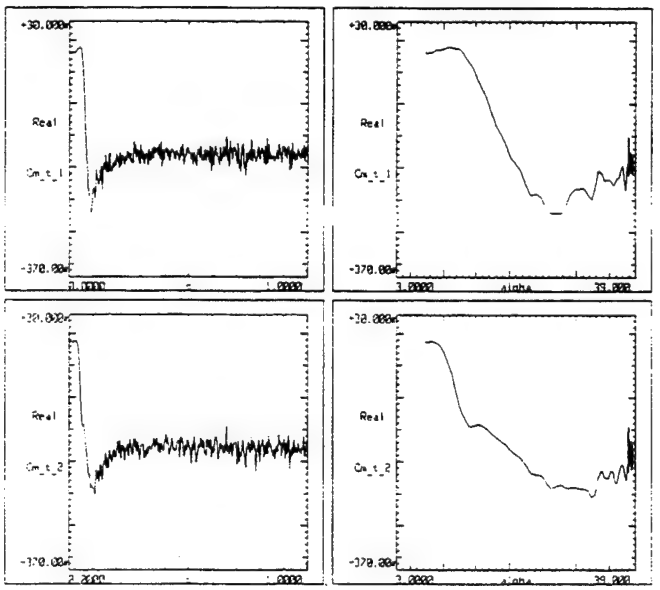

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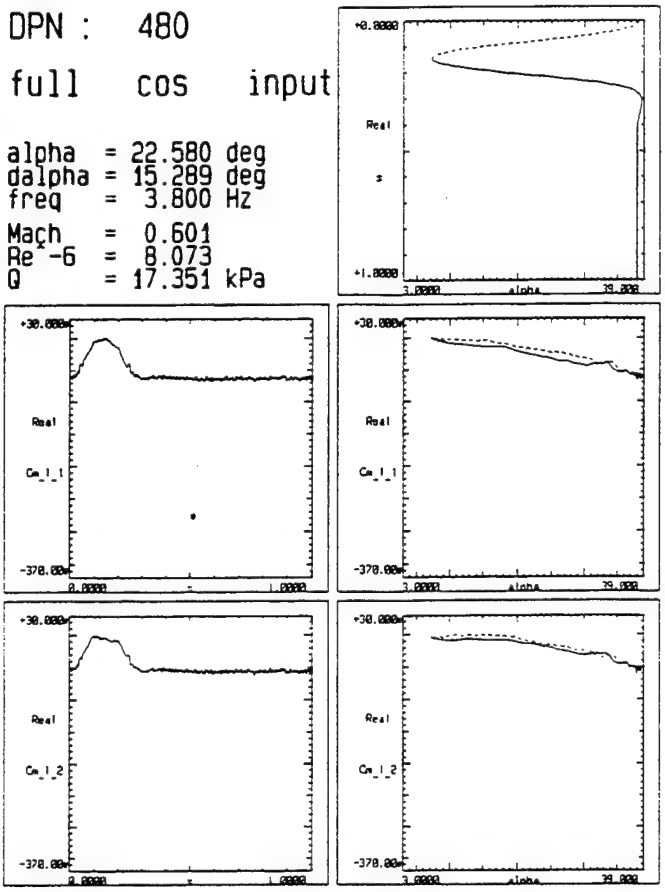

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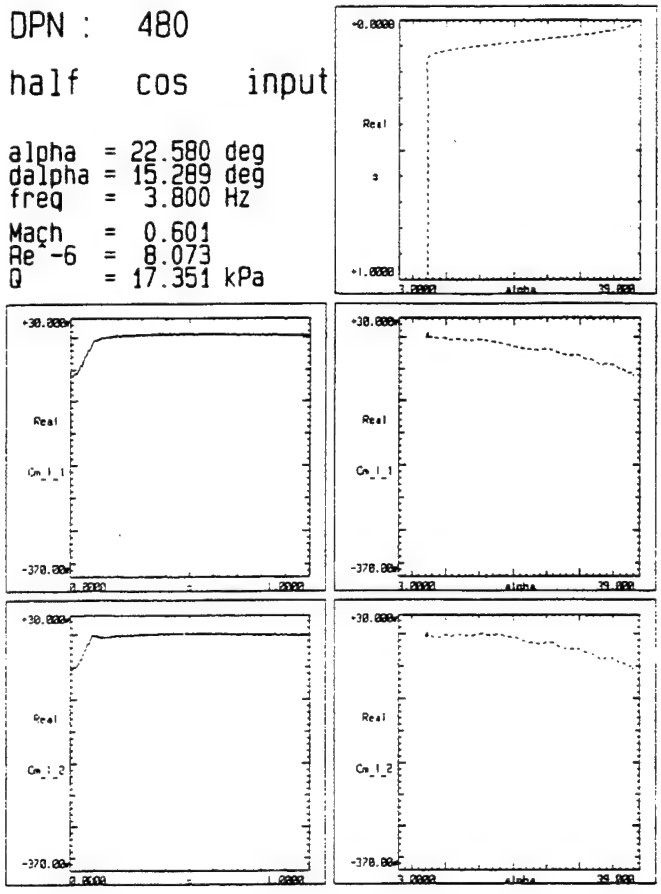
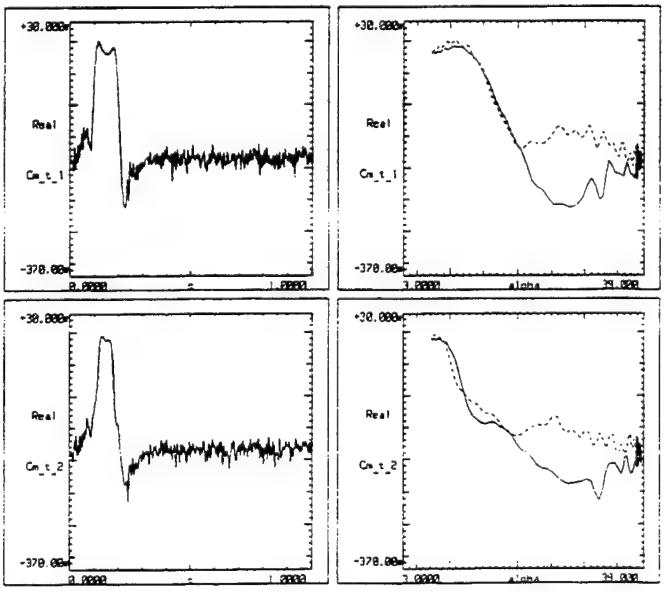
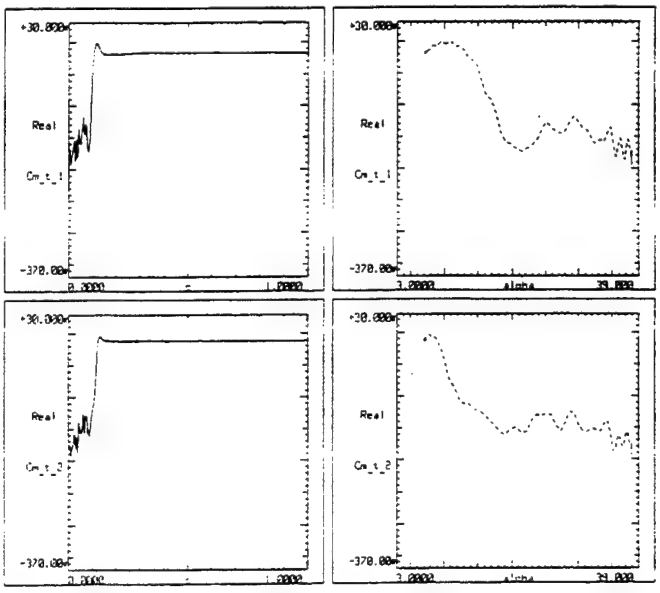




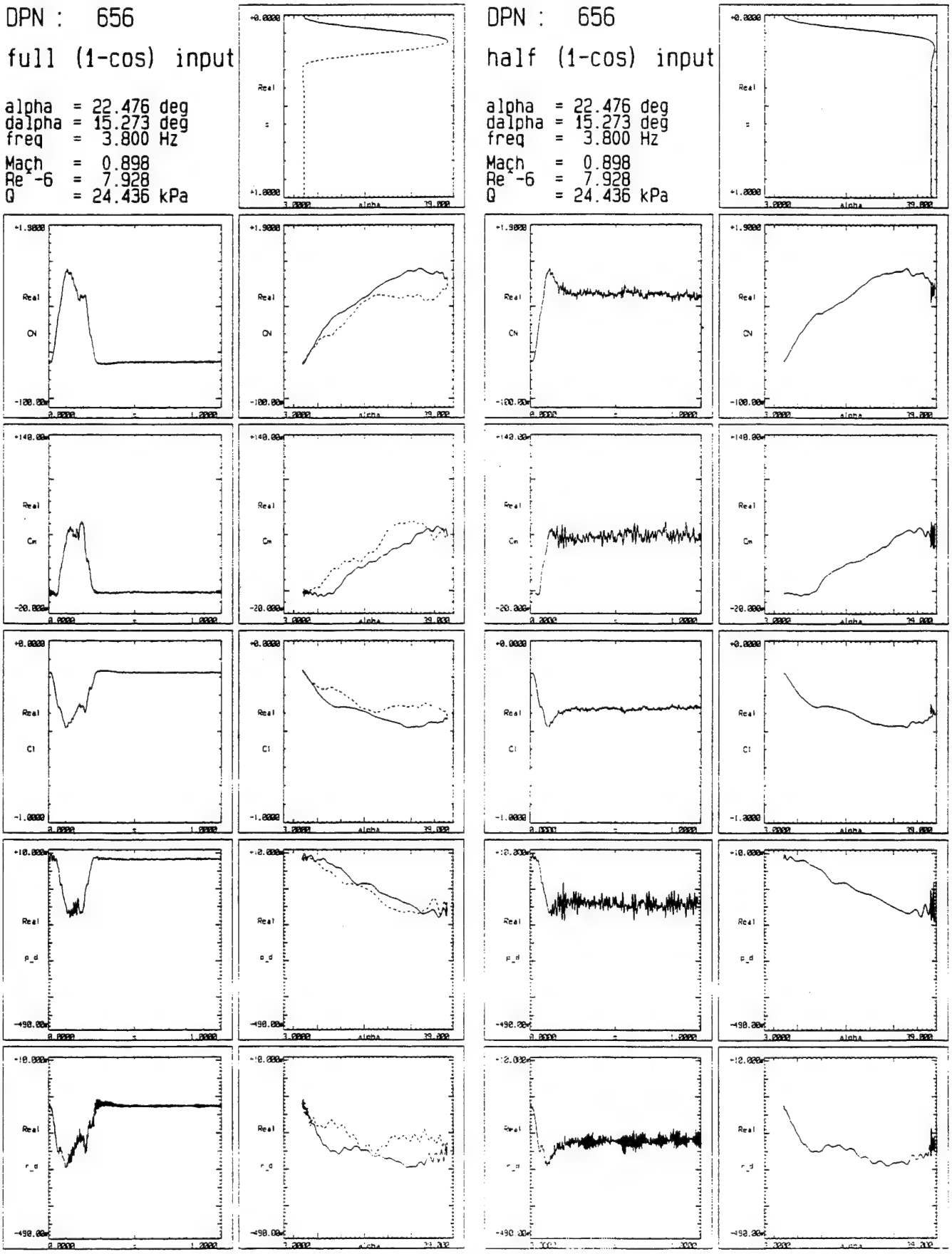


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



DPN : 656

half (1-cos) input

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Mach = 0.898
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DPN : 656

full cos input

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Mach = 0.898
Re -6 = 7.928
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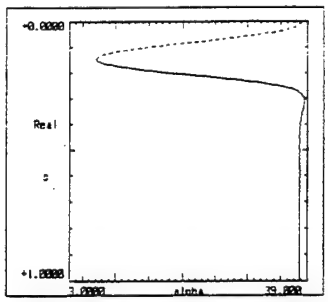

DPN : 656

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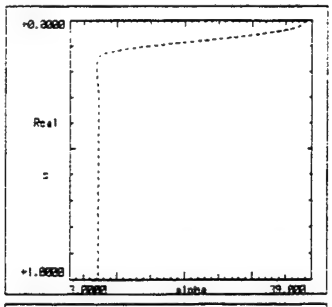

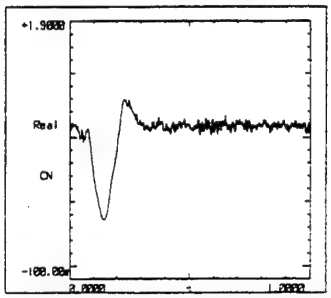

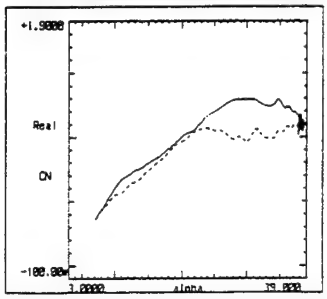

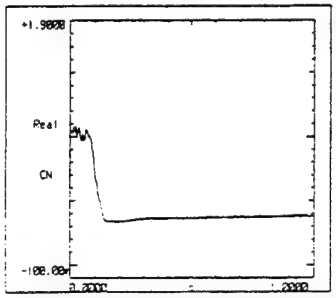

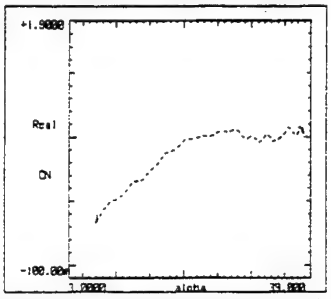

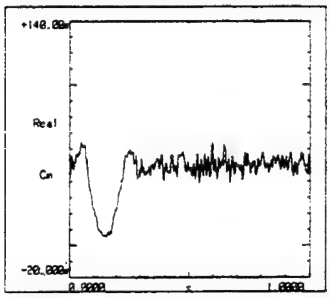

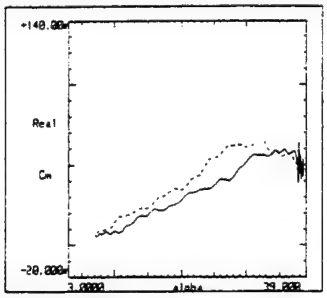

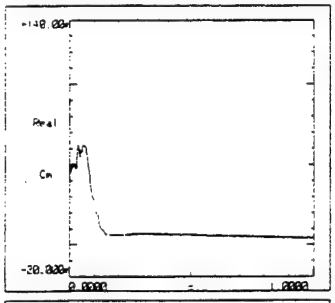

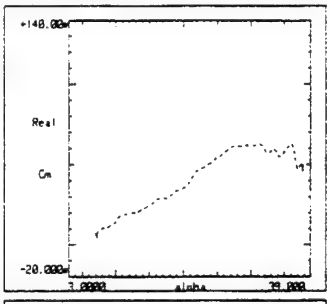

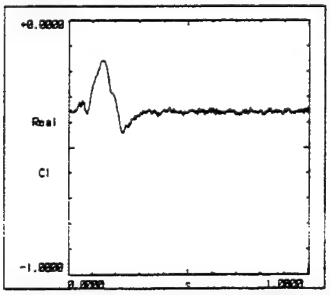

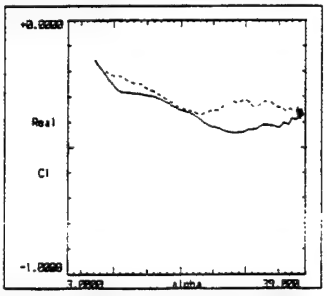

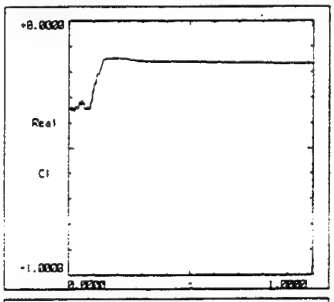

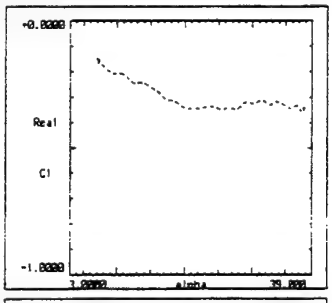

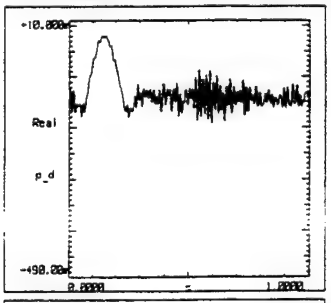

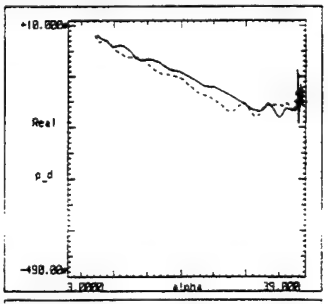

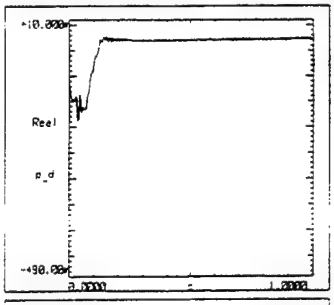

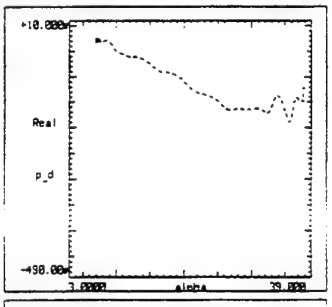

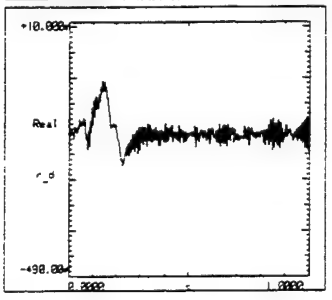

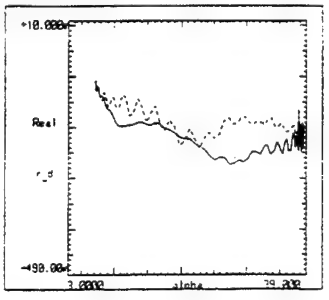

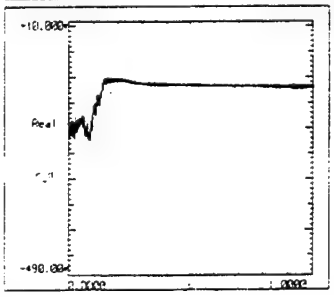

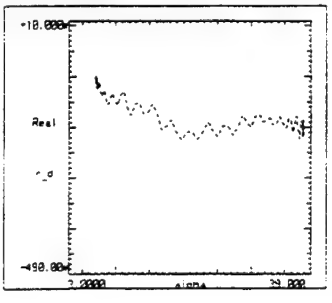

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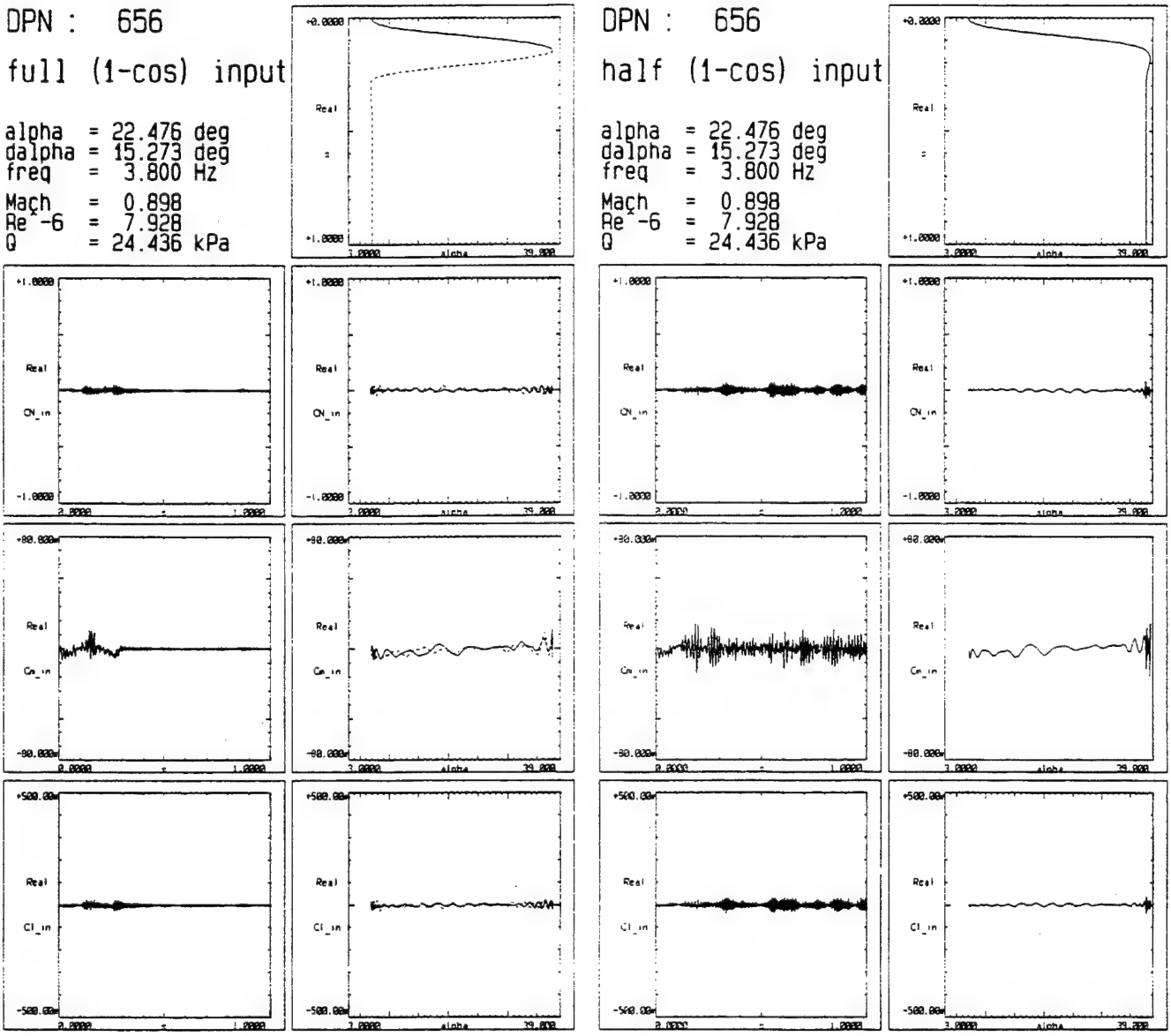

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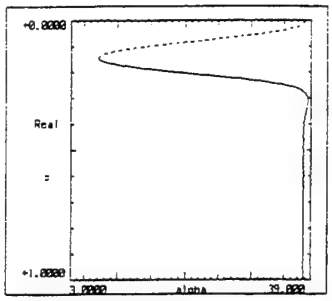
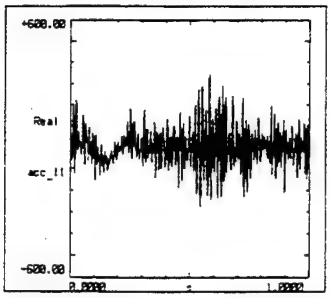
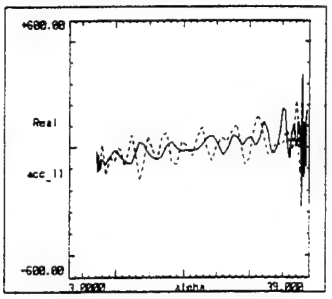
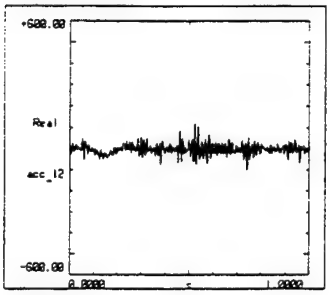
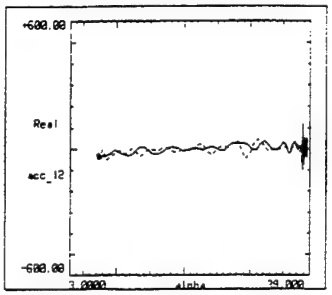
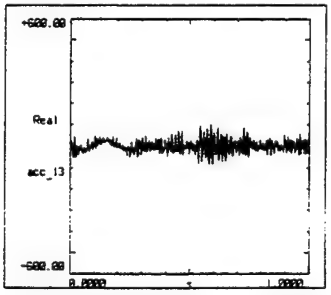


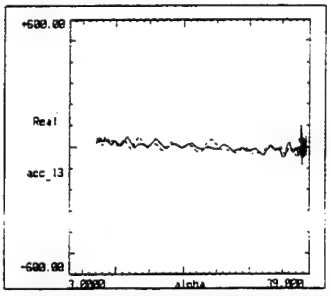


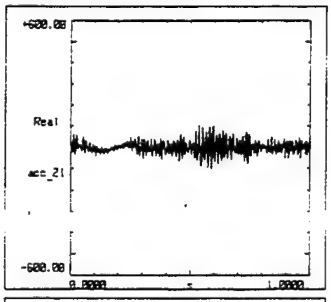


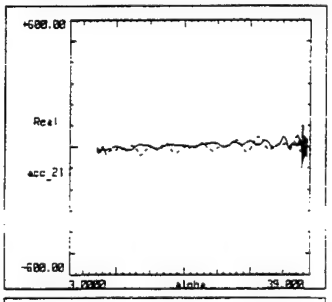










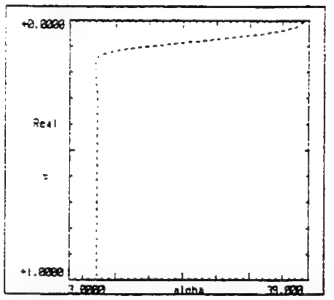


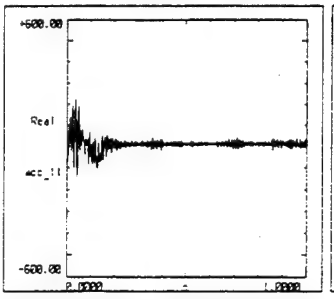
DPN : 656

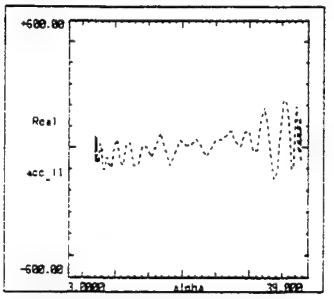
half cos input

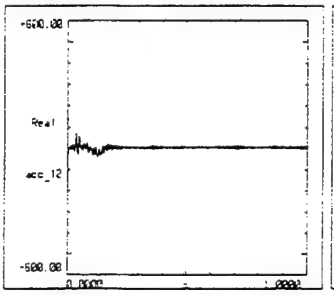
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

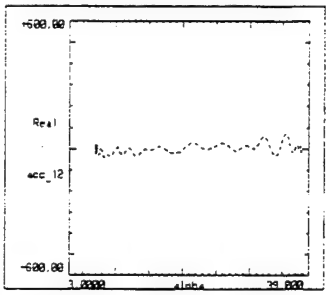
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

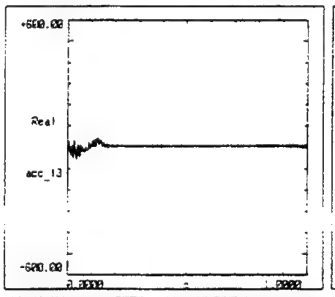


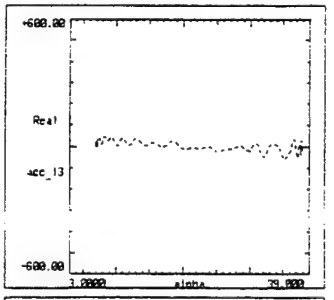


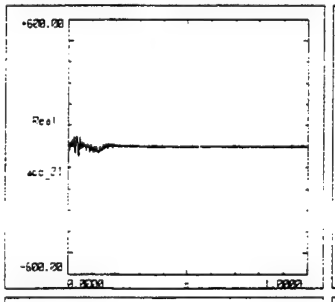


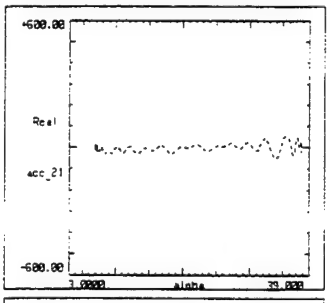












DPN : 656

full (1-cos) input

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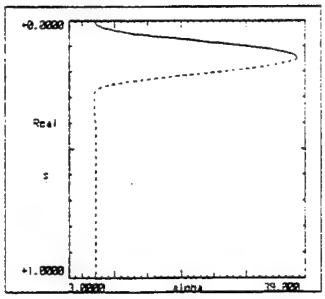
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



DPN : 656

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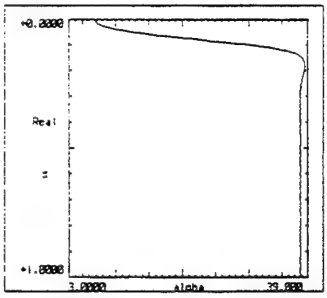

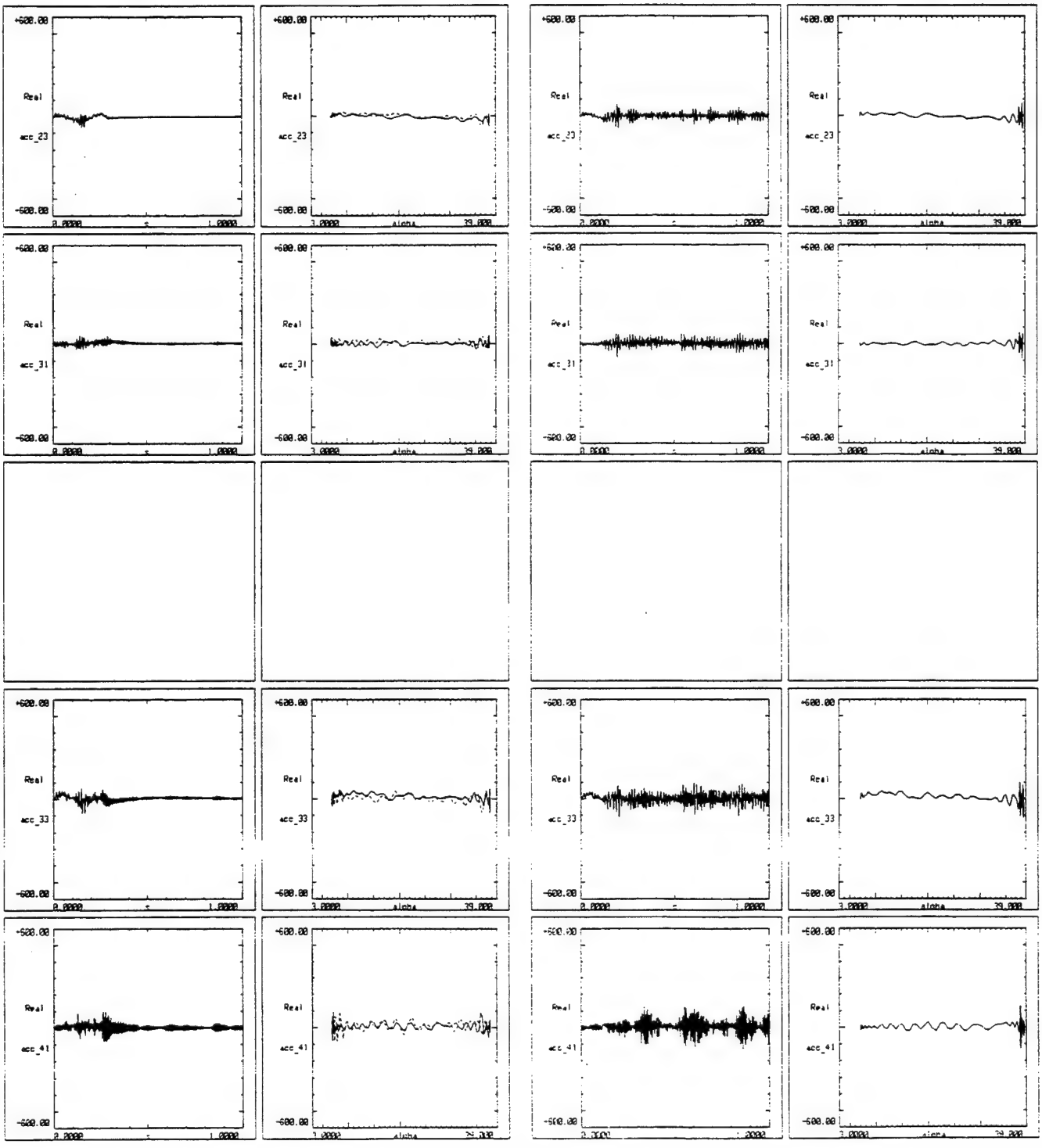

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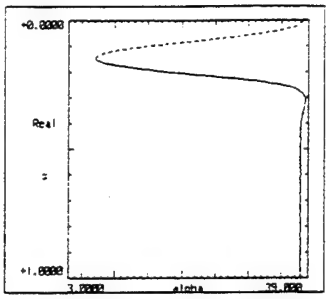

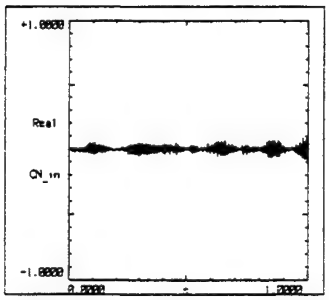

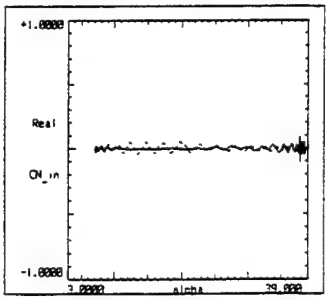

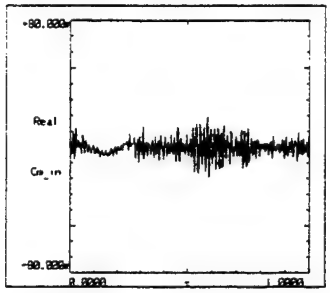

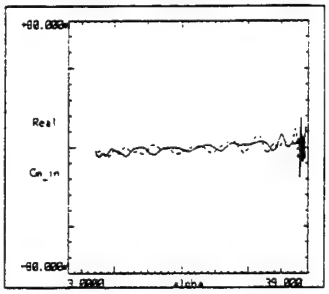

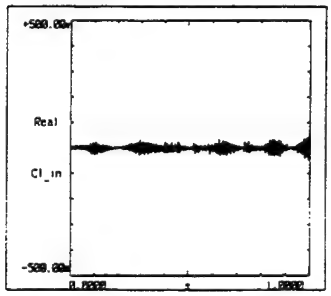

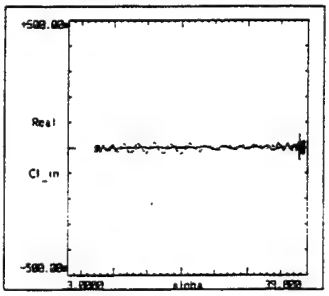

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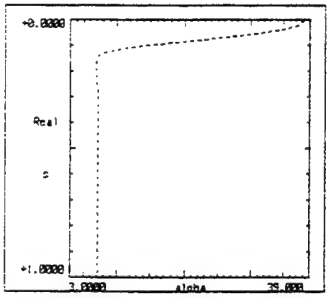

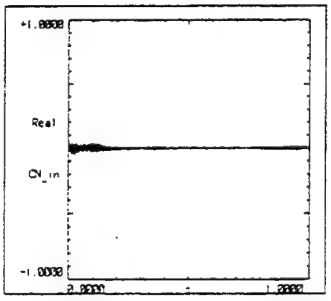

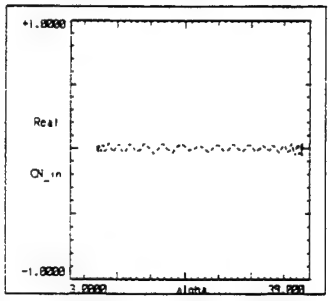

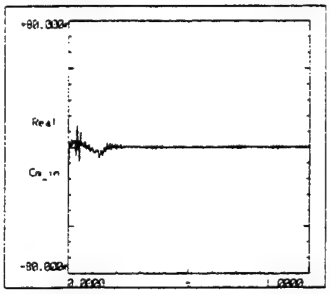

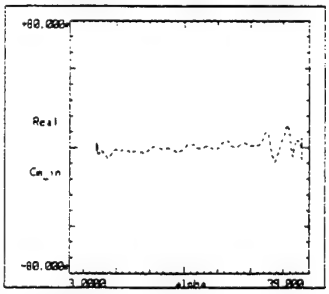

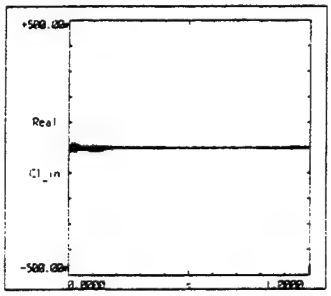

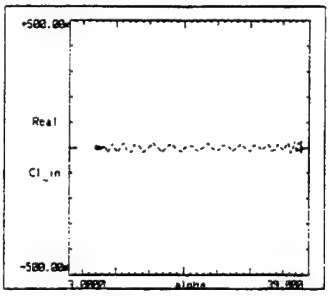

DPN : 656

full (1-cos) input

alpha = 22.476 deg
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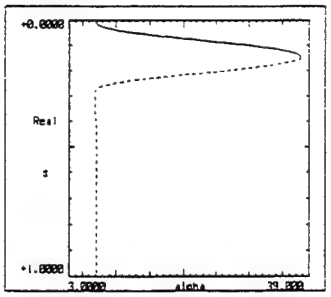
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



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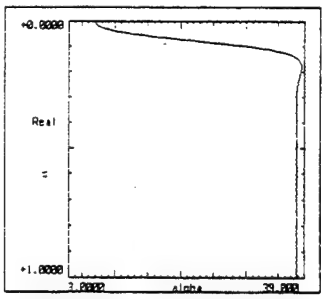

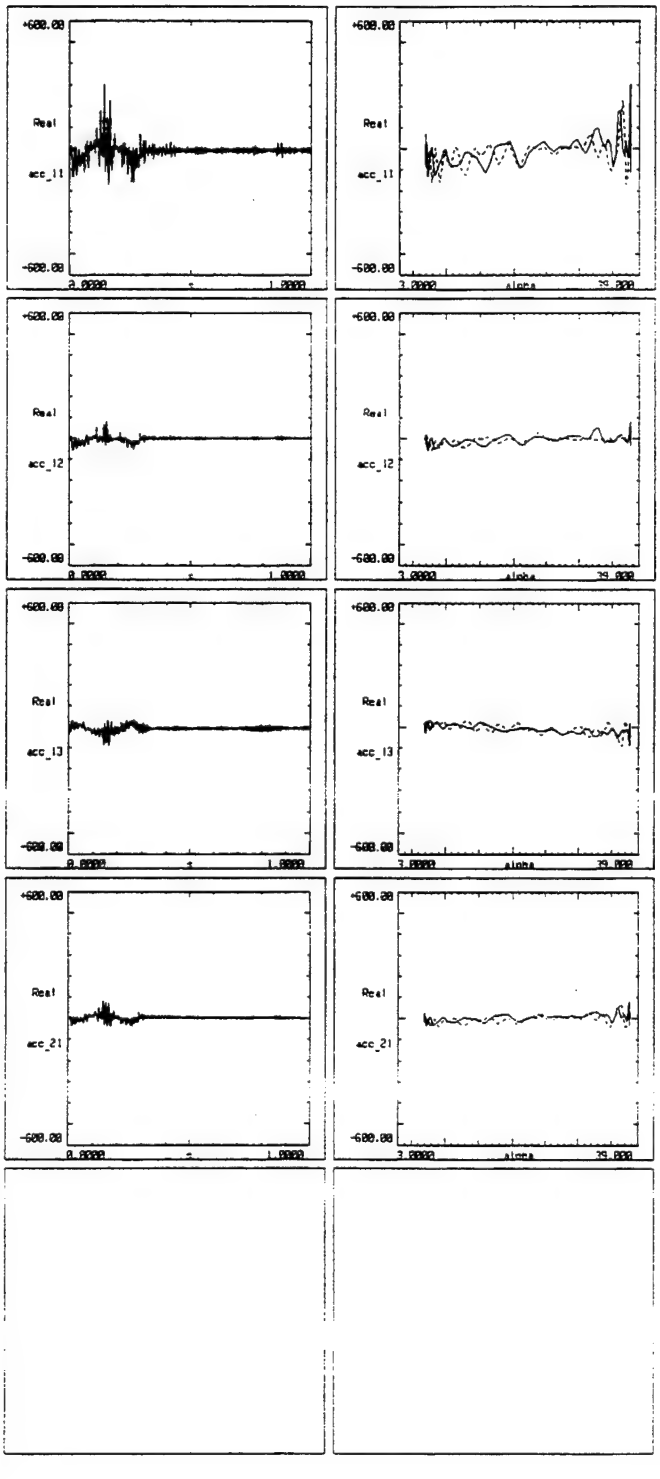

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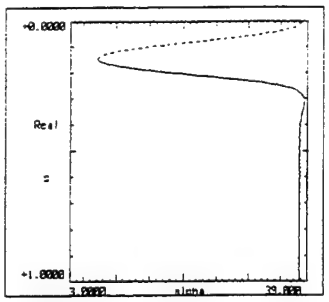

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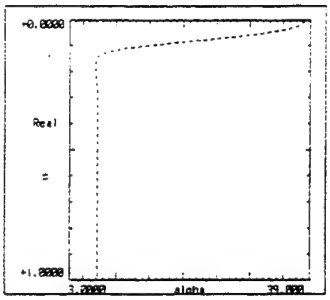

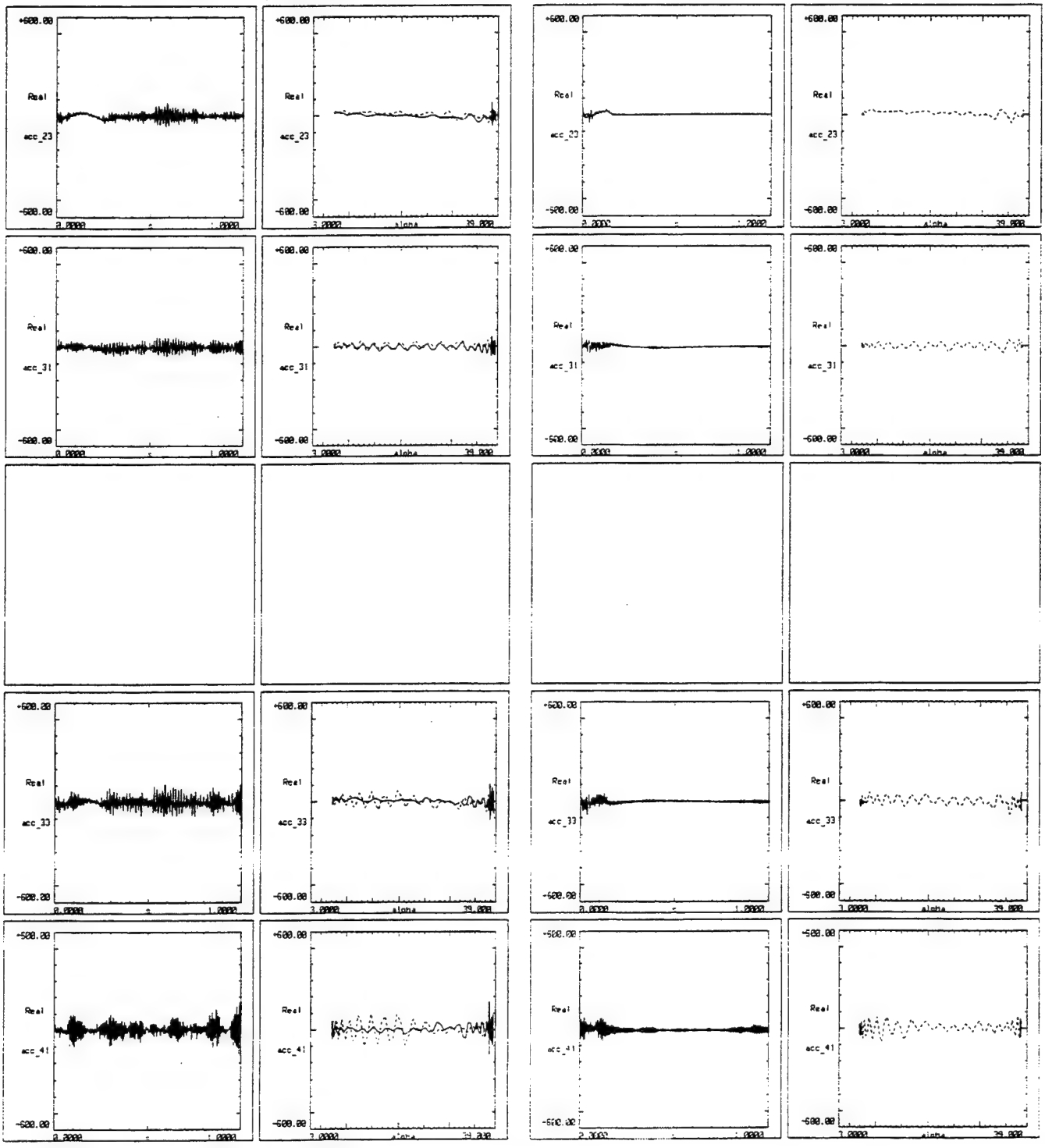

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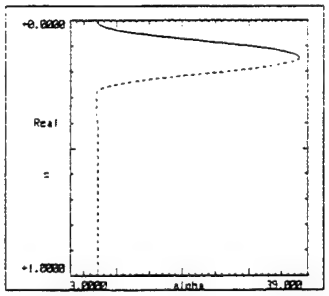

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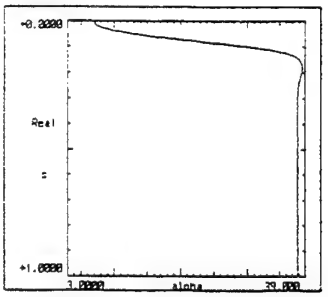

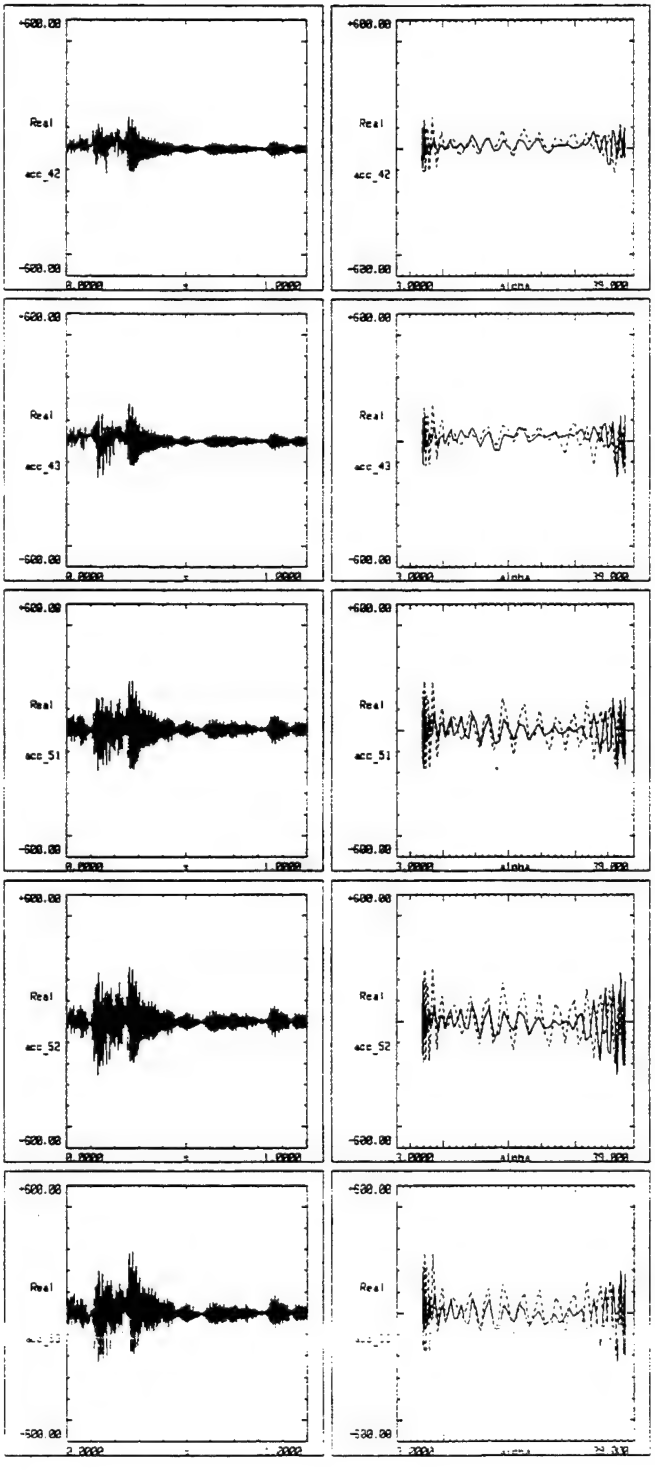

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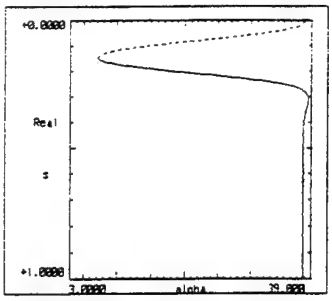

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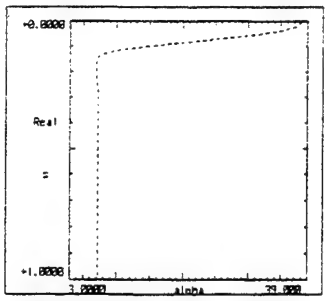

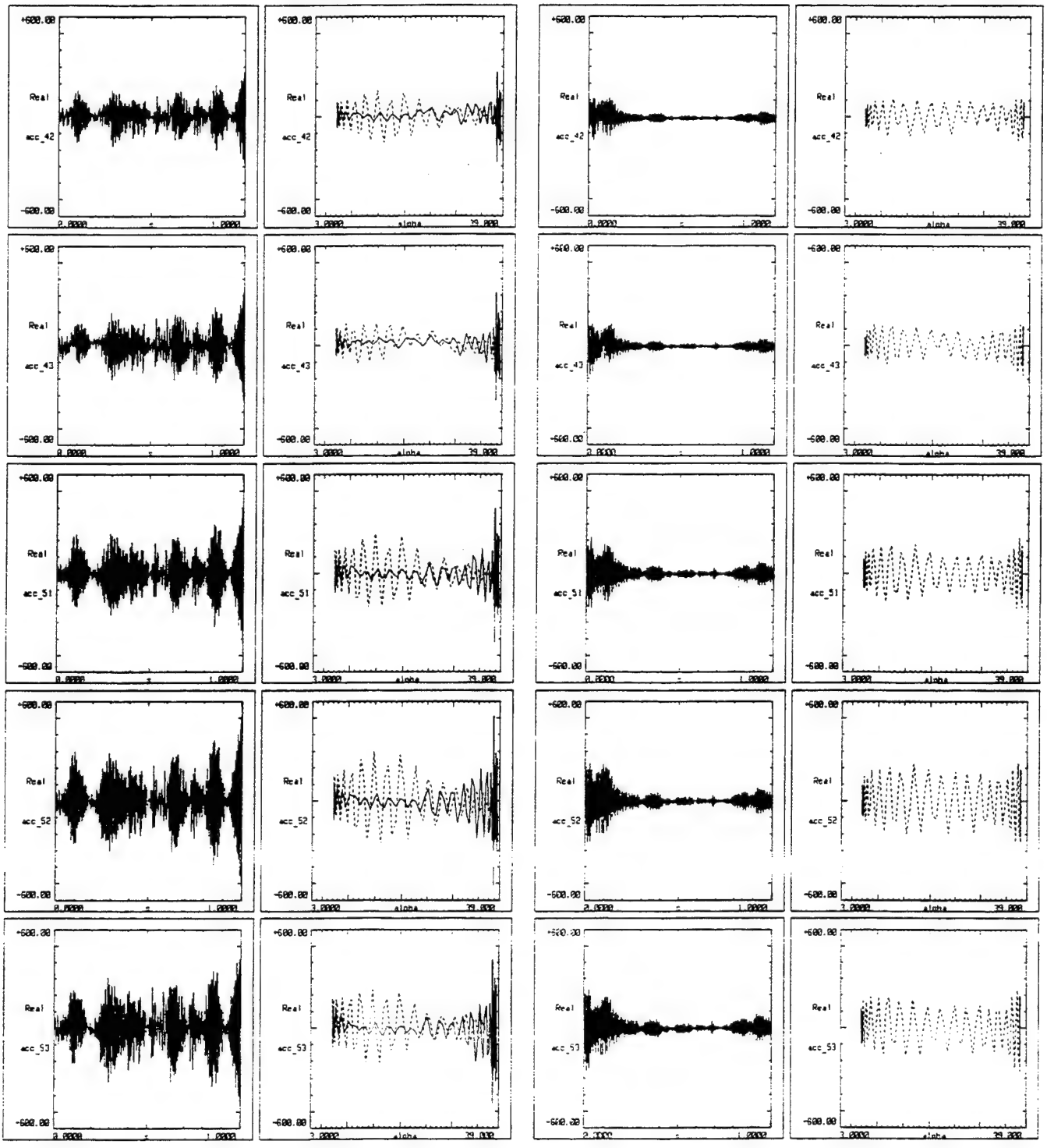

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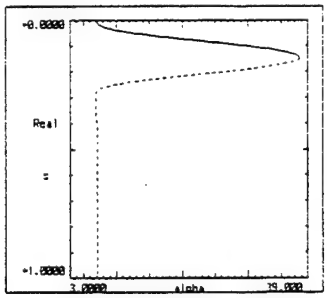

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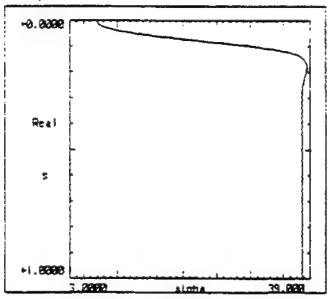
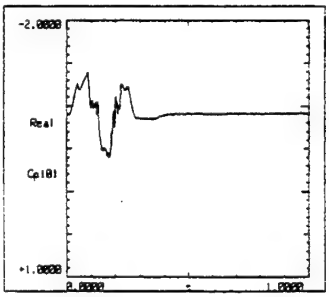
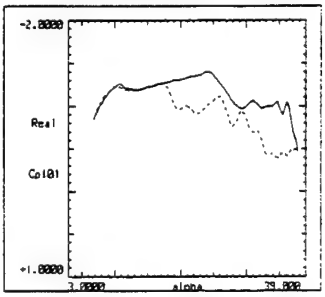
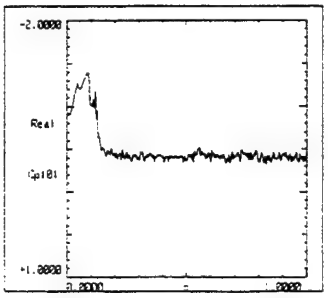
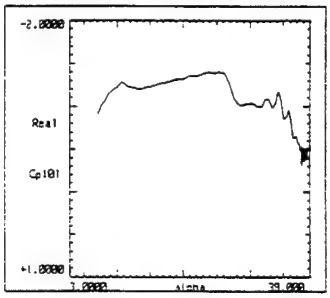
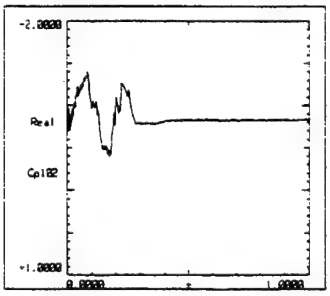
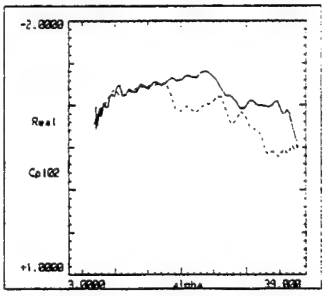
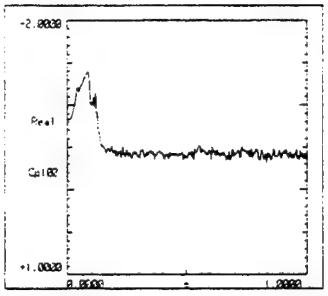
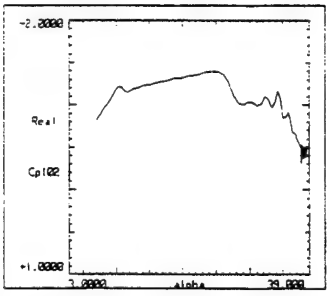
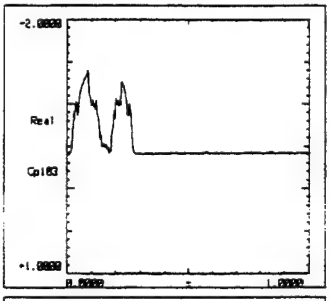
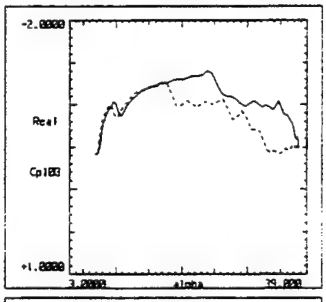
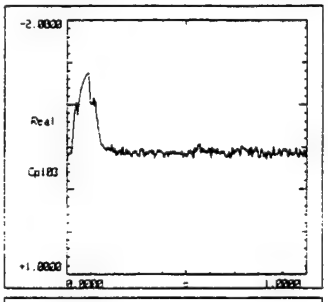
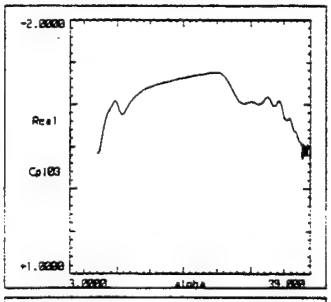
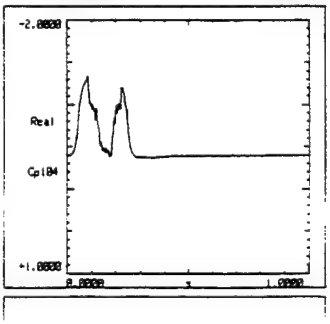
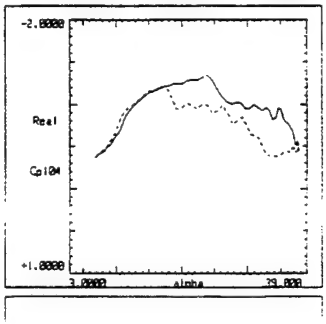
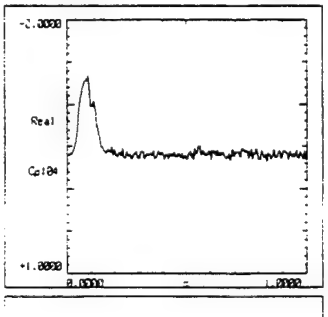
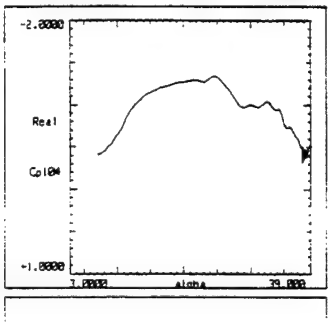


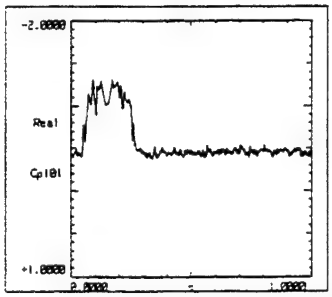
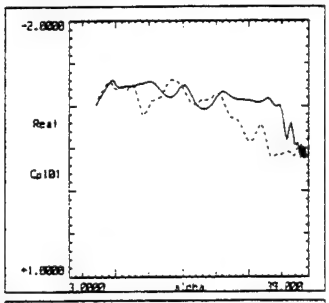
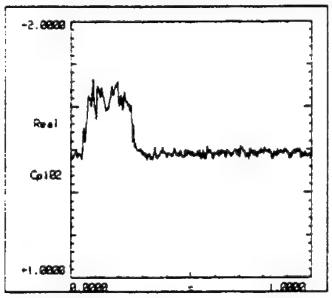
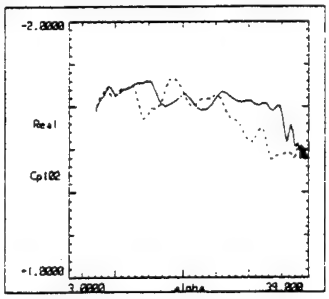
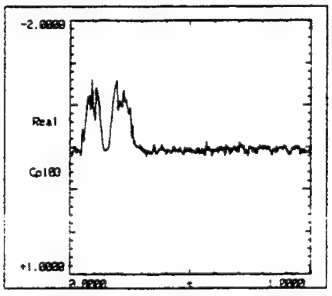
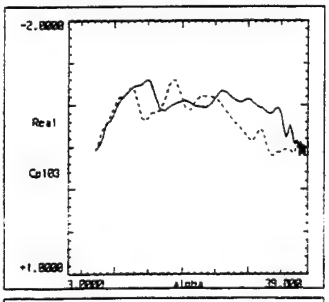
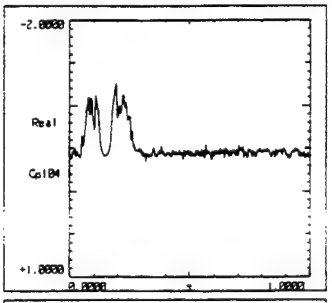
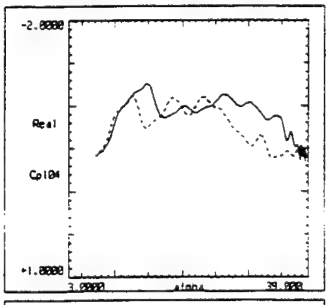

















DPN : 656

full cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

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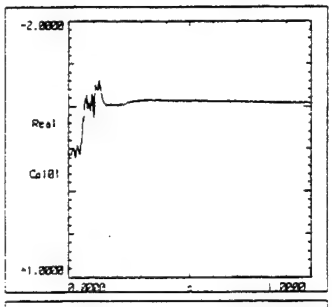
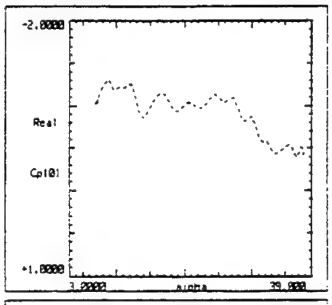
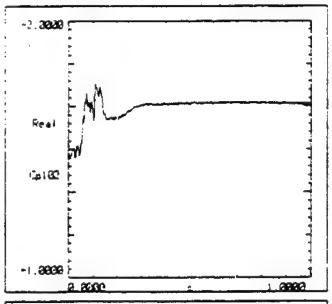
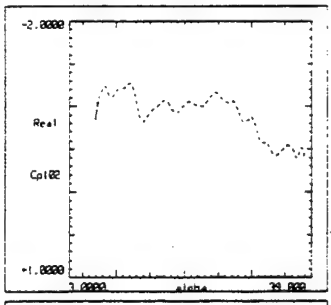
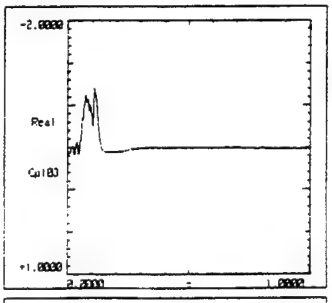
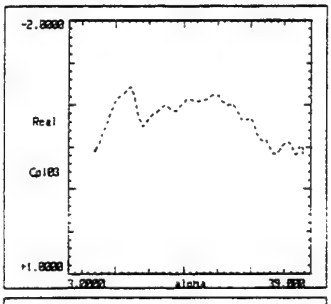
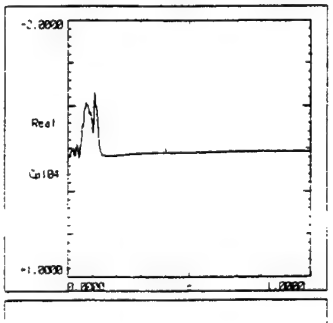
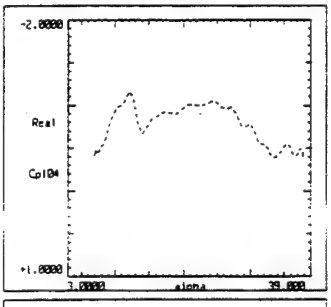

DPN : 656

full (1-cos) input

alpha = 22.476 deg
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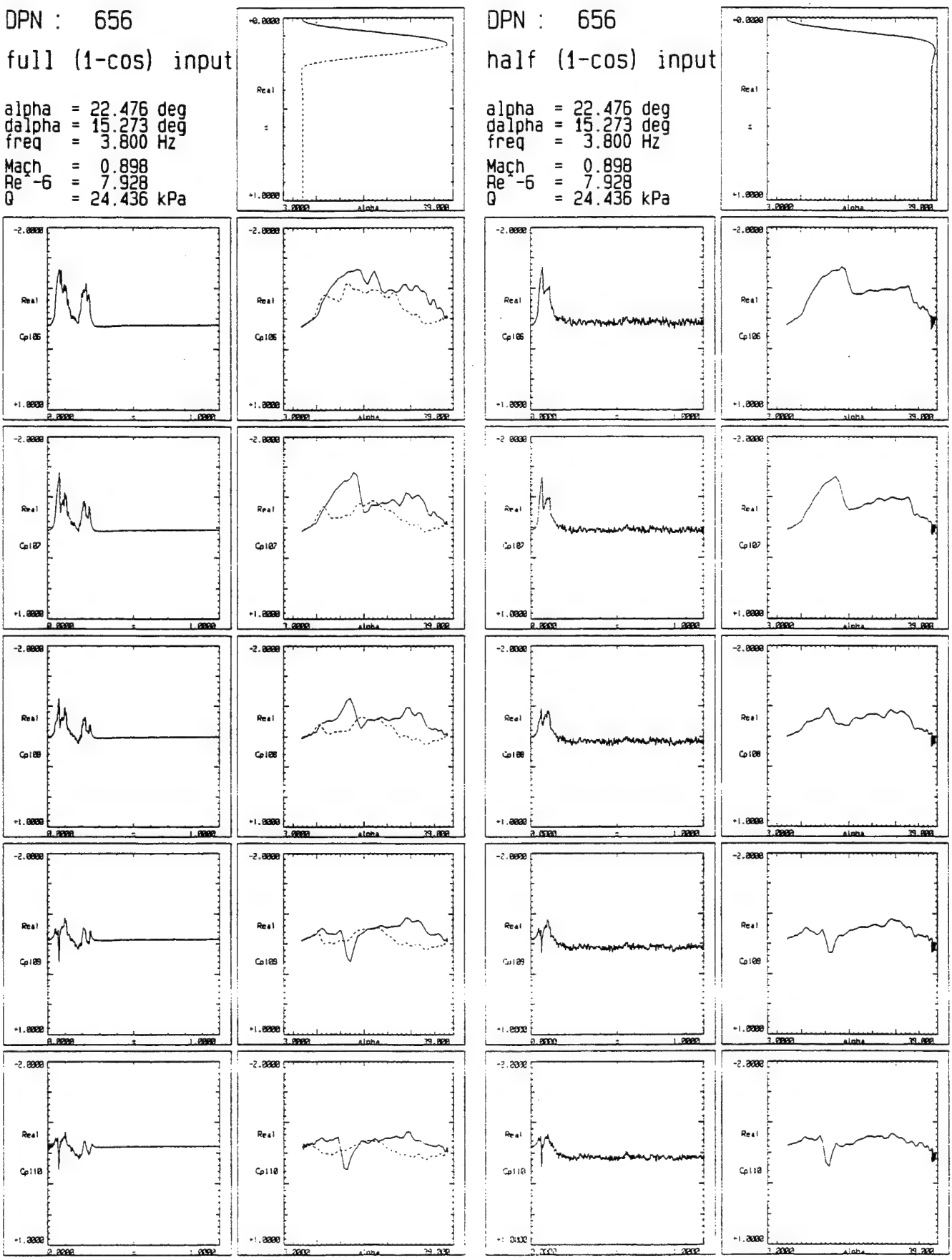
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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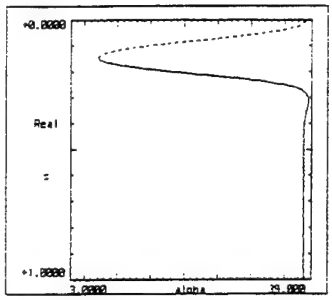

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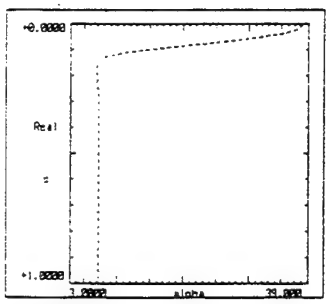

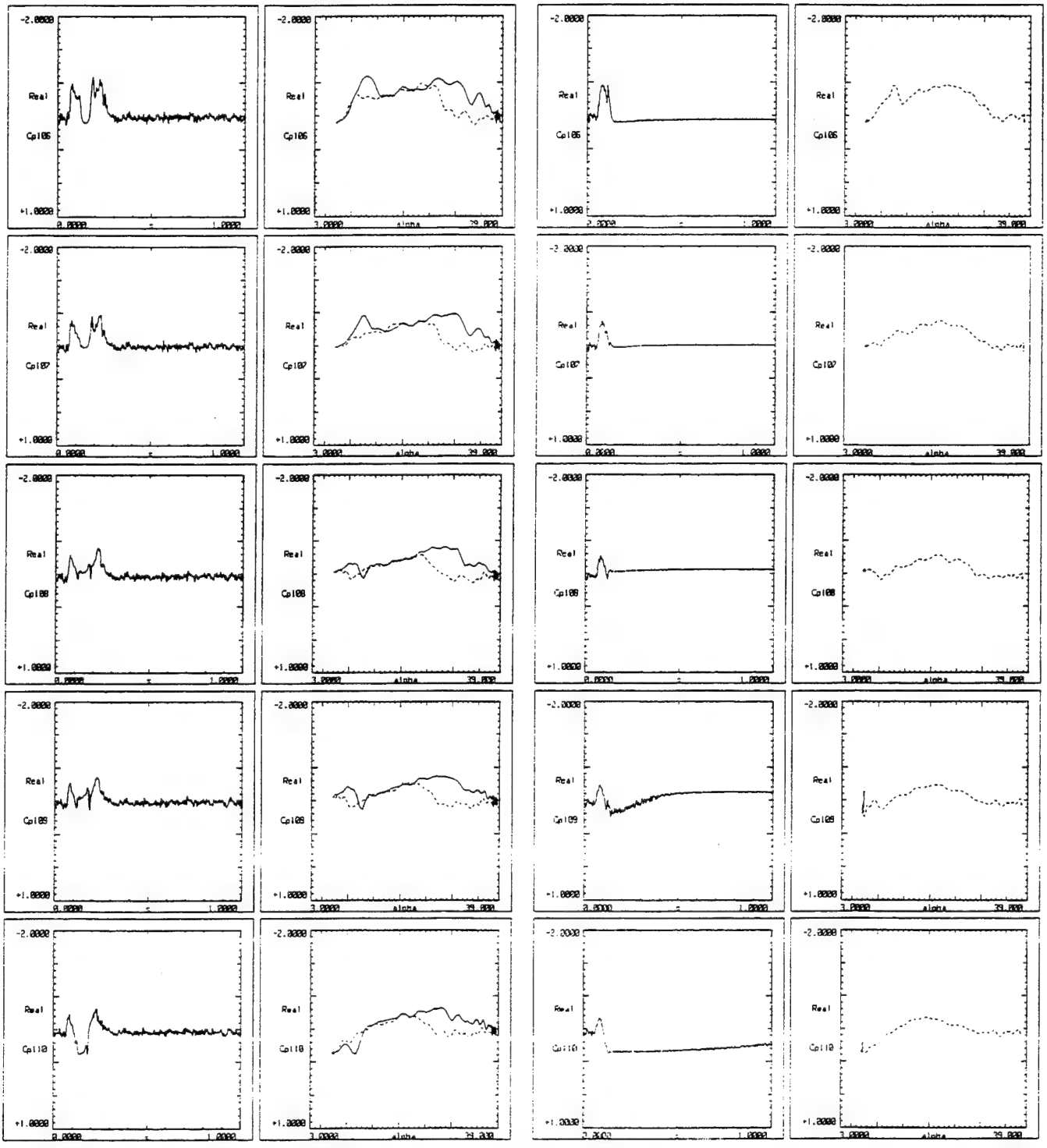

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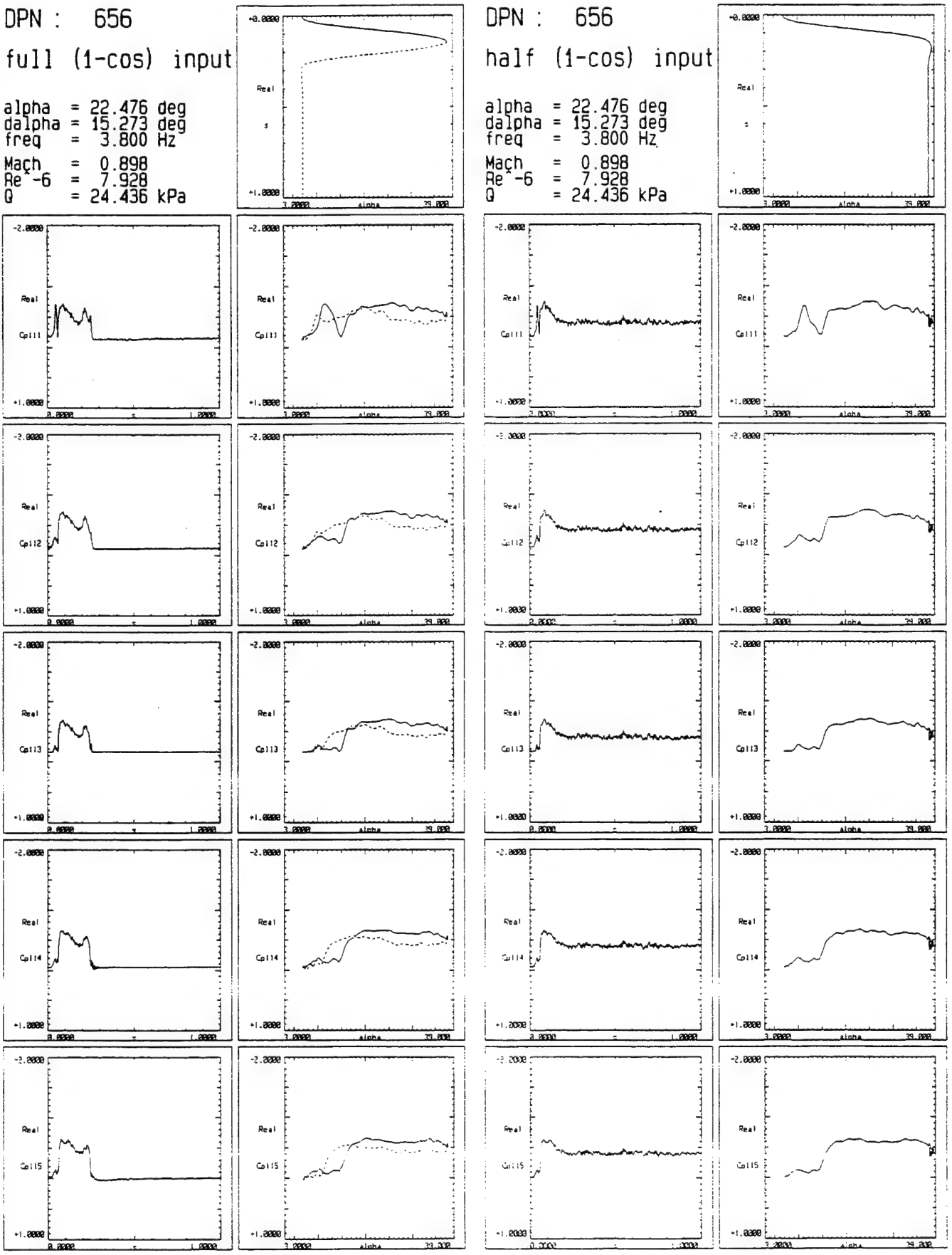

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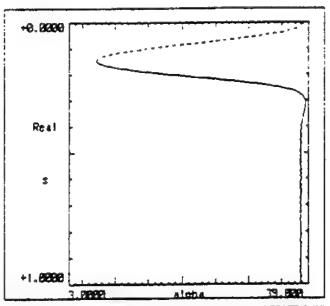

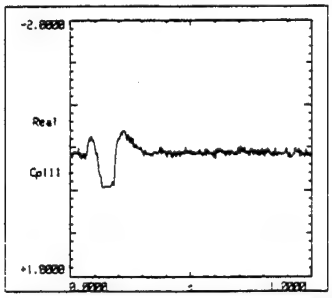

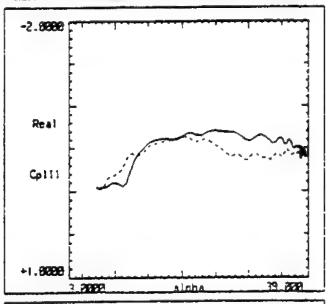

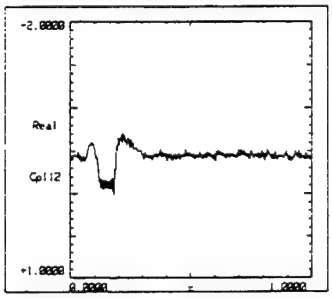

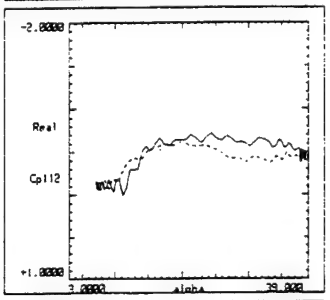

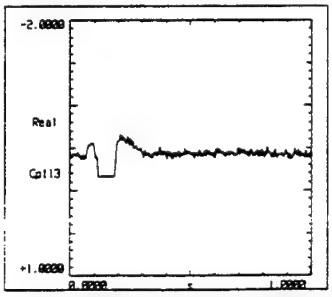

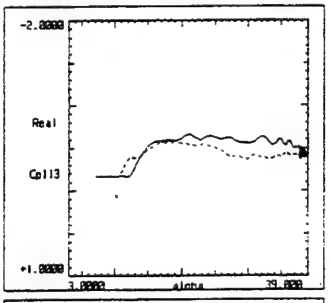

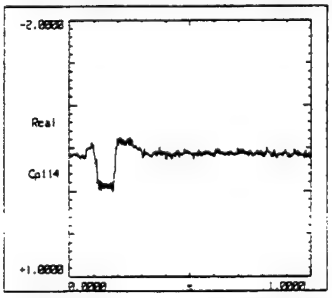

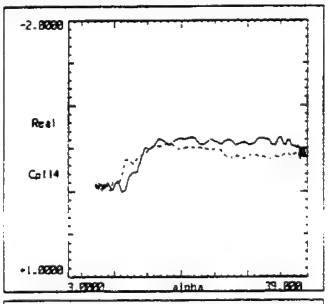

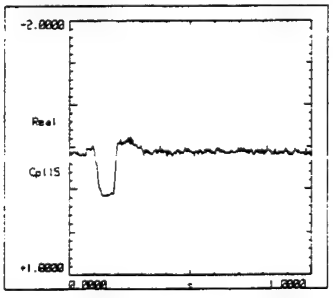

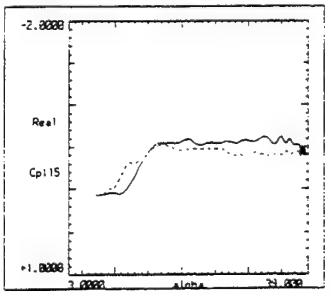

DPN : 656

half cos input

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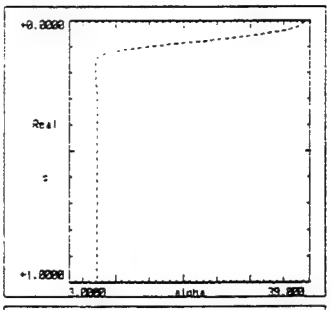

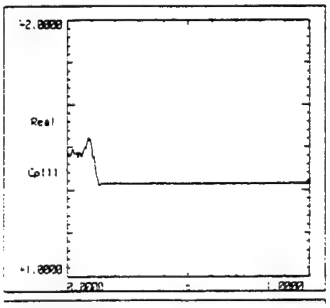

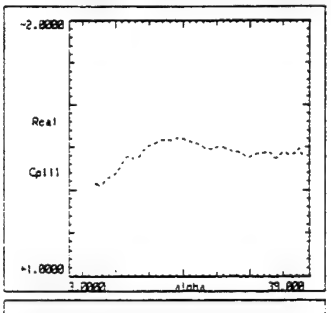

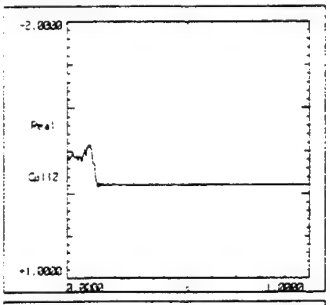

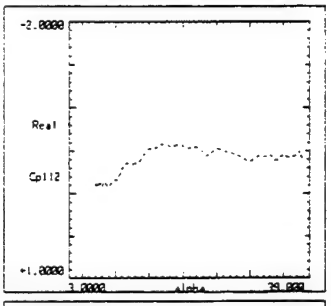

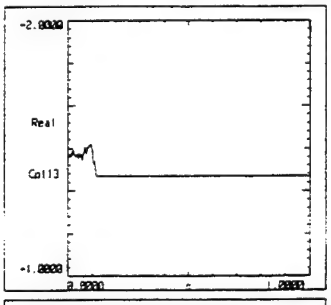

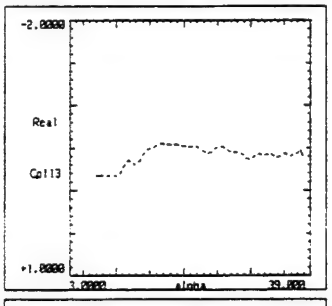

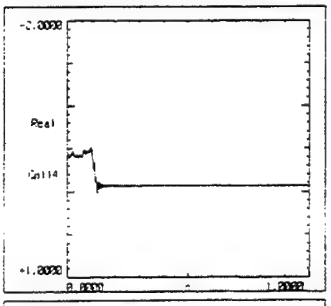

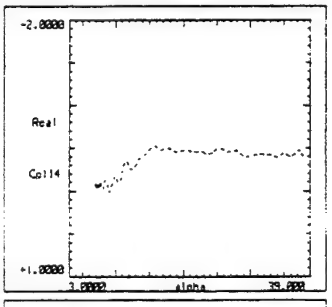

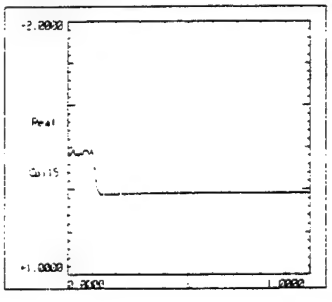

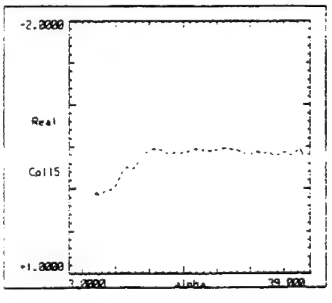

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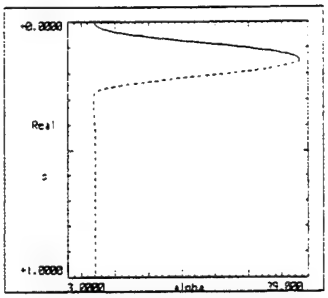
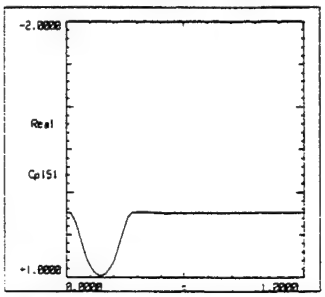
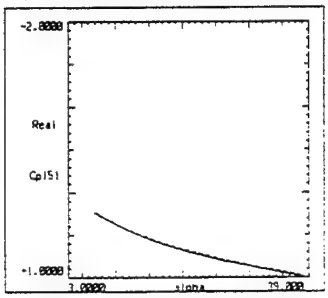
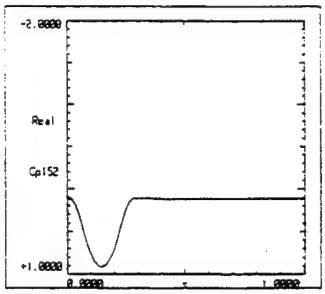
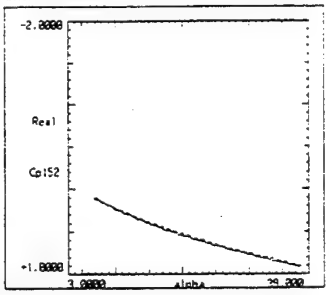
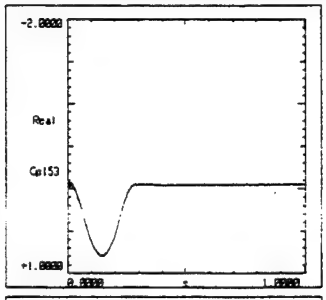


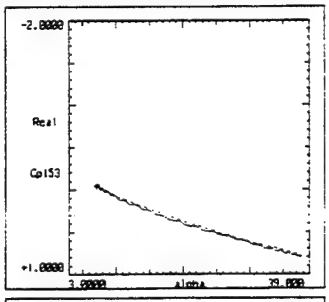


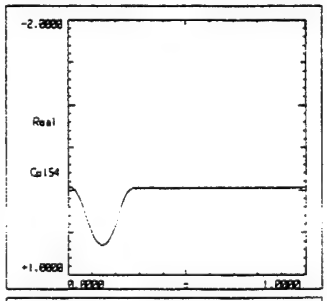


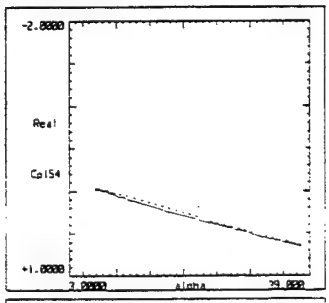


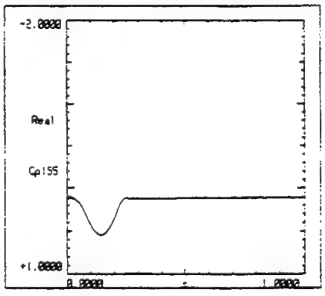


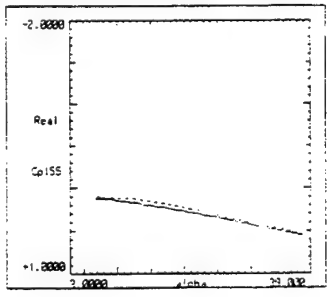










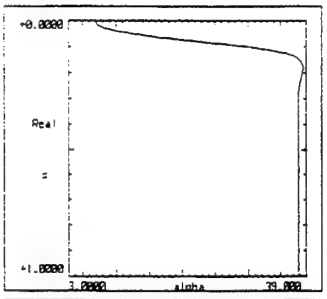


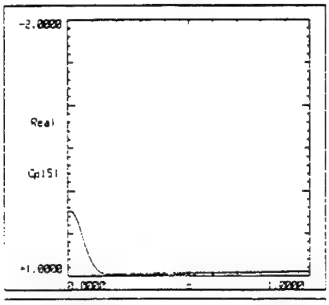
DPN : 656

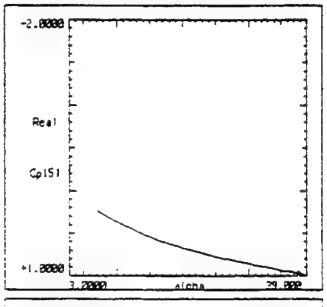
half (1-cos) input

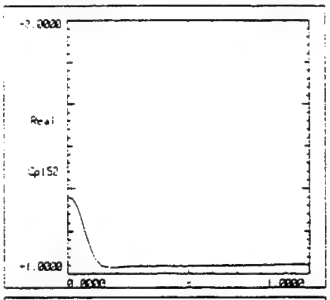
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

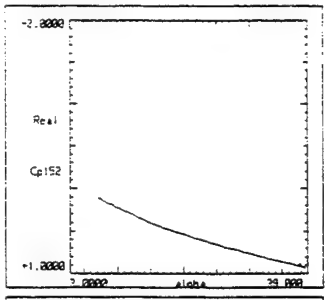
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

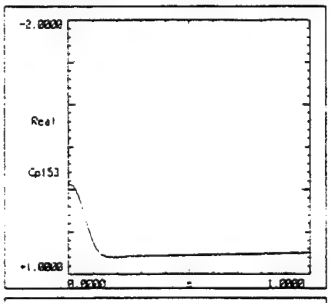


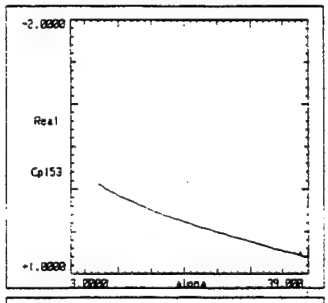


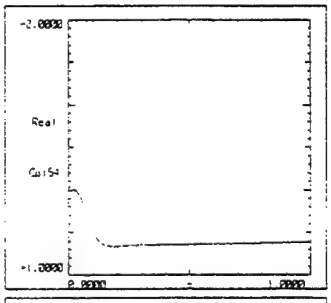


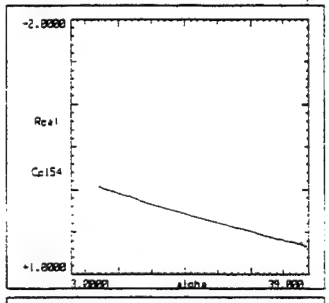


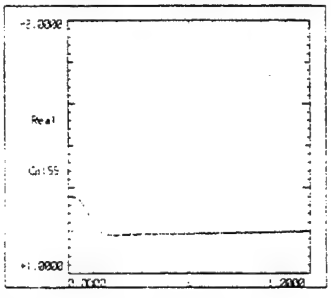


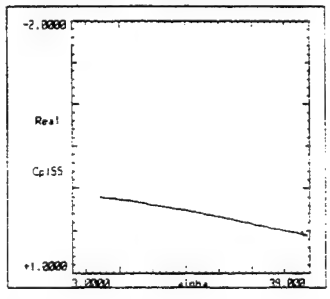










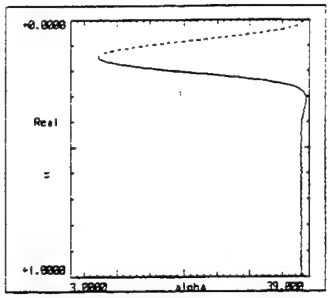


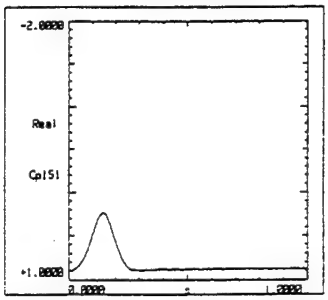
DPN : 656

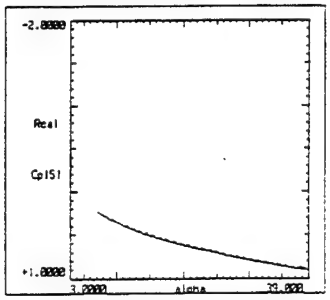
full cos input

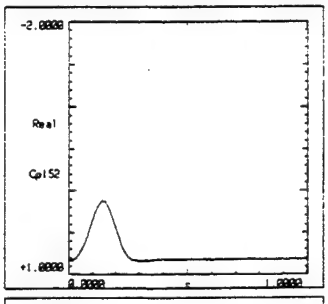
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

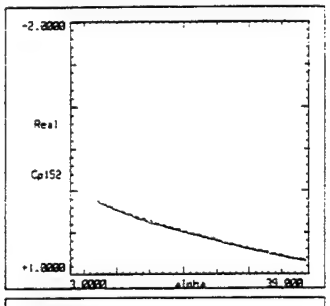
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

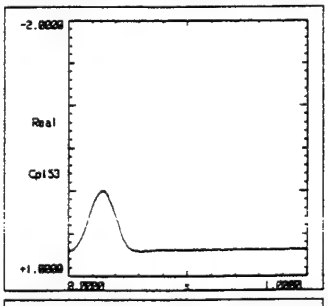


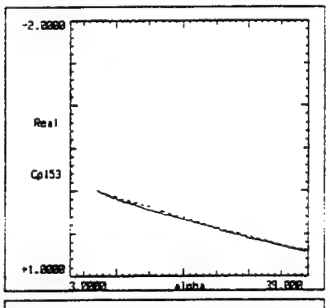


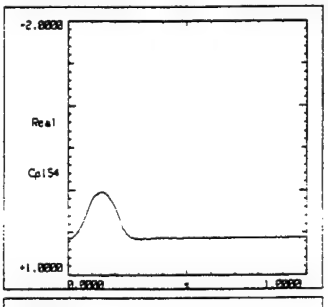


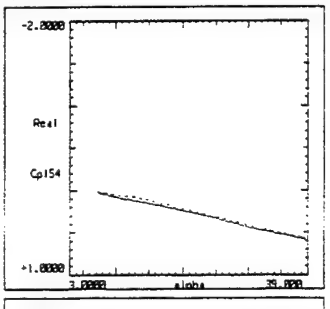


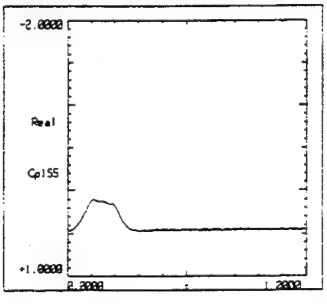


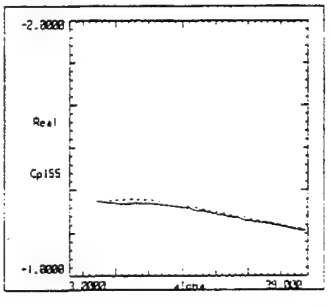










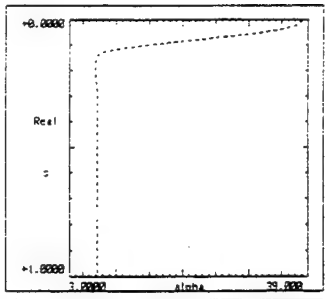


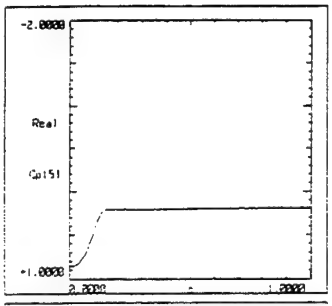
DPN : 656

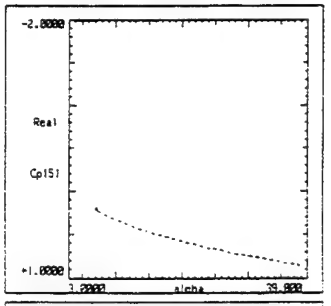
half cos input

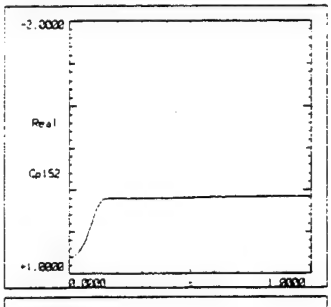
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

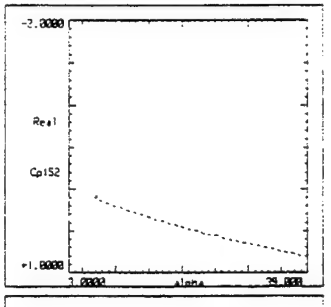
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

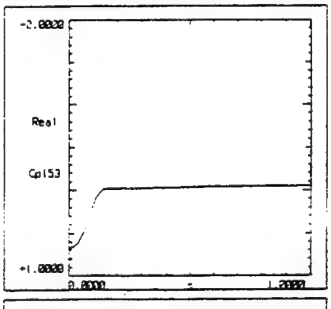


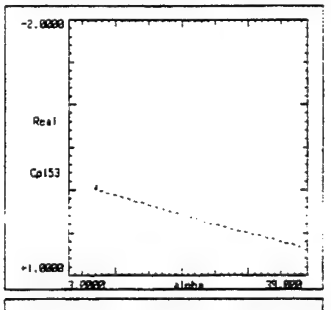


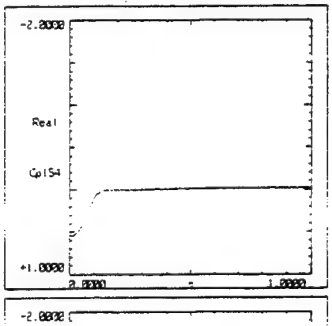


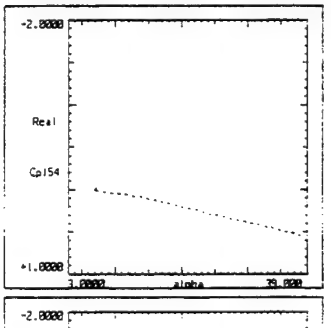


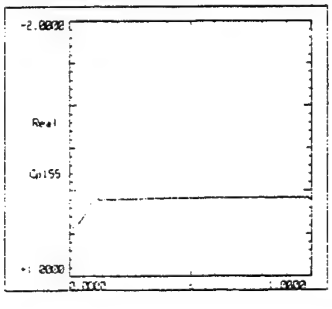


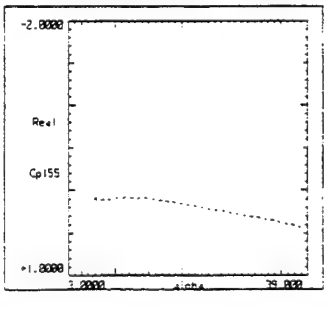










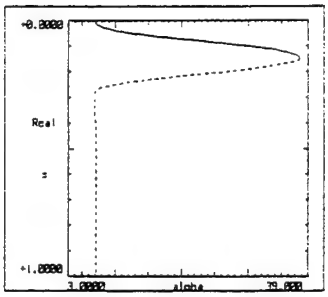


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

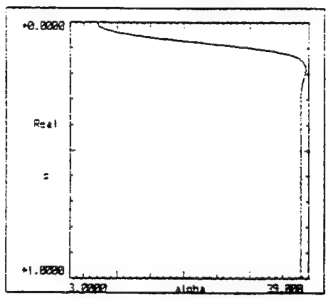


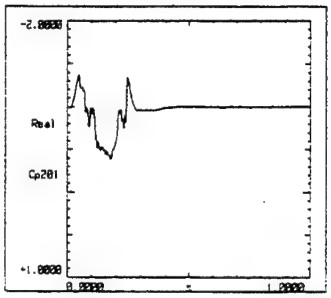
DPN : 656

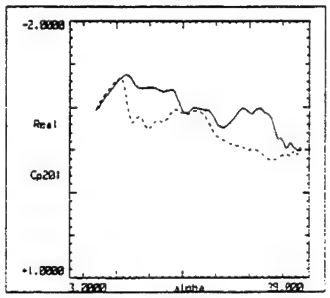
half (1-cos) input

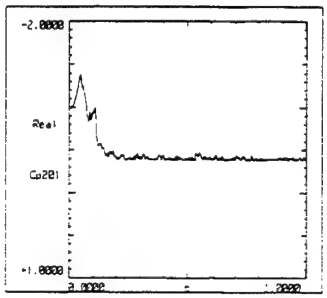
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

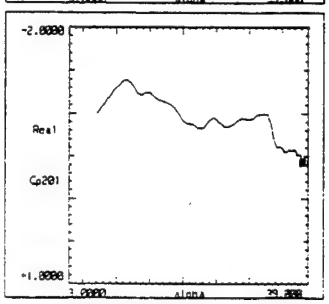
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

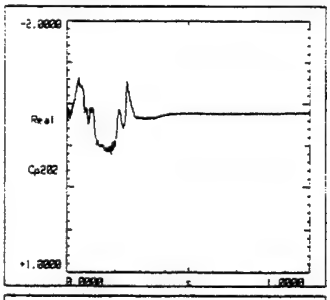


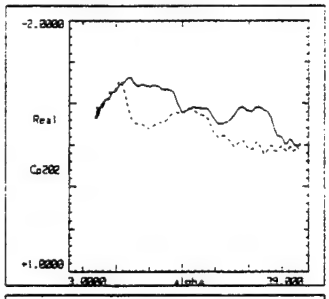


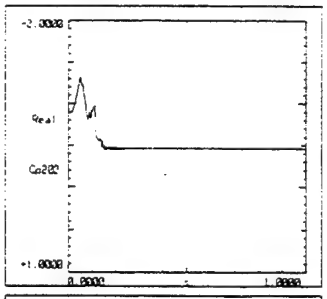


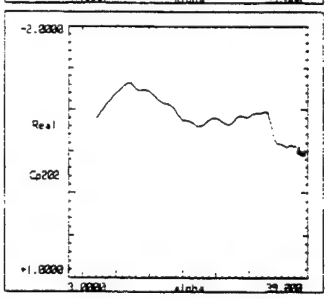


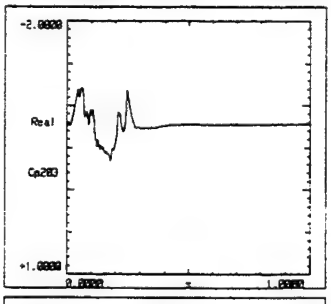


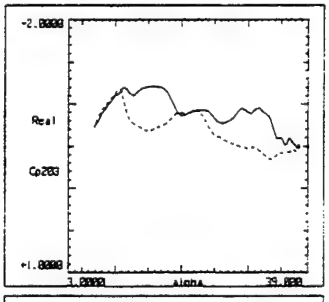


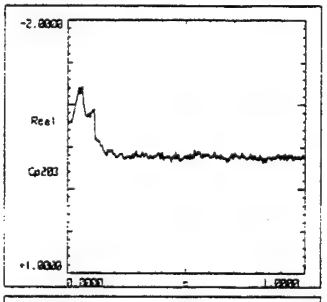


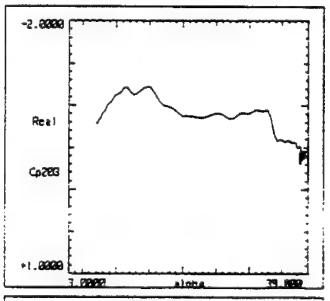


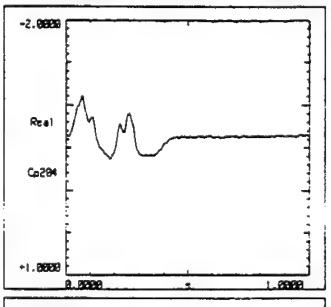


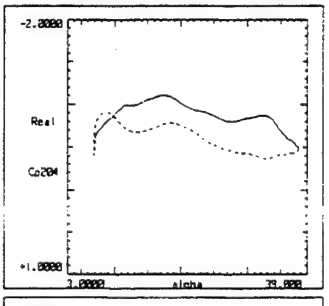


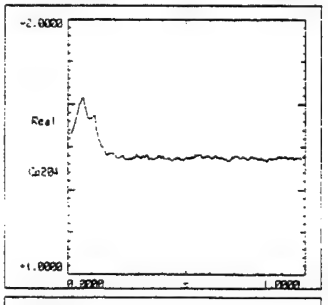


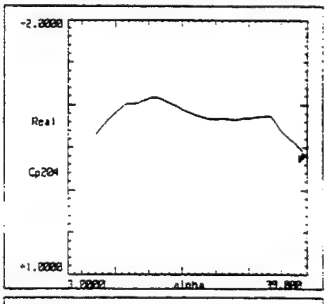


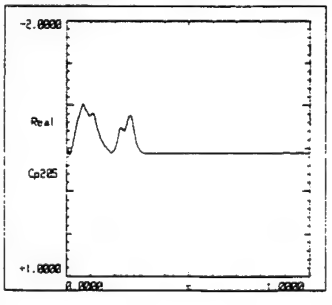


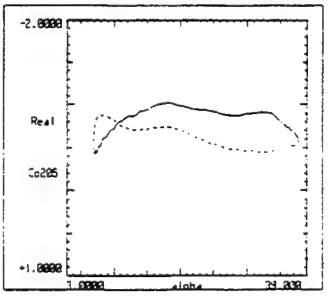


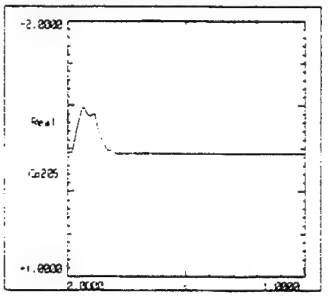


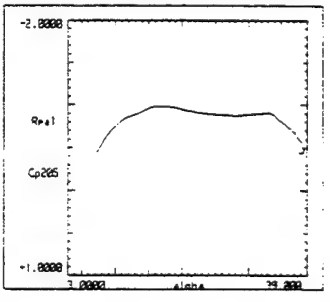










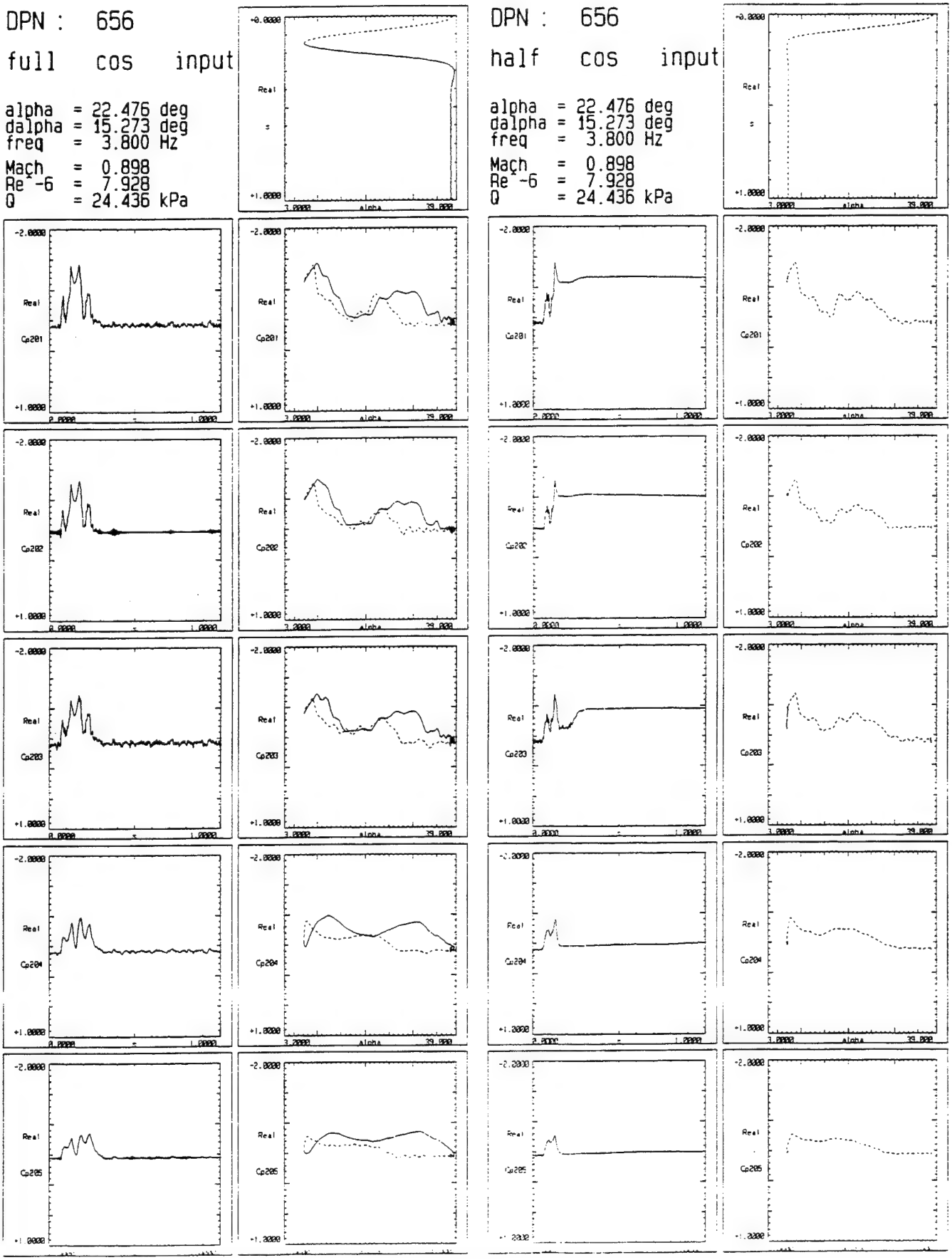


DPN : 656

full cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



DPN : 656

half cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

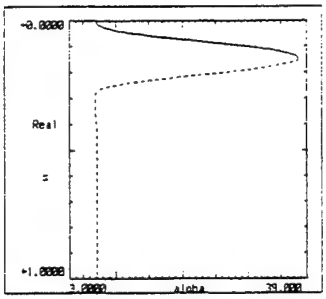
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

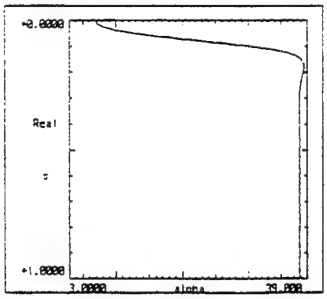


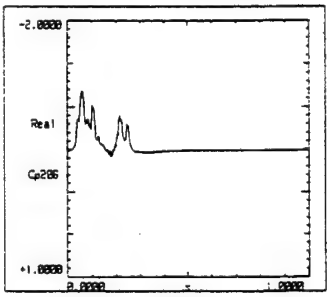
DPN : 656

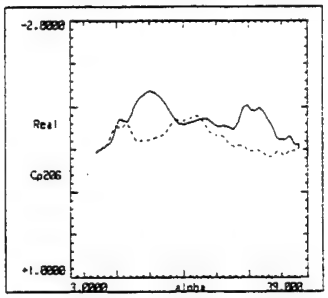
half (1-cos) input

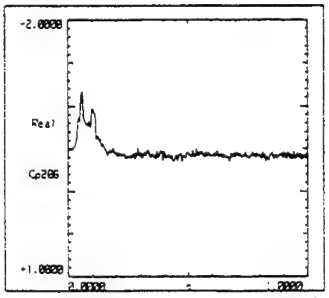
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz.

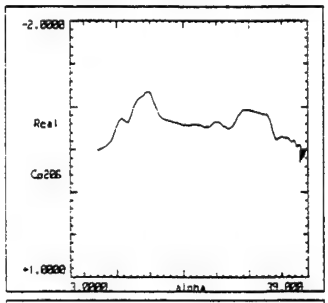
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

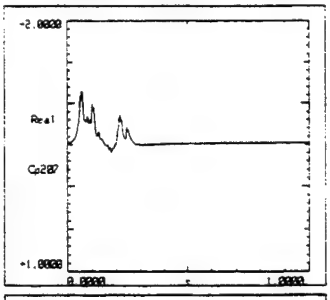


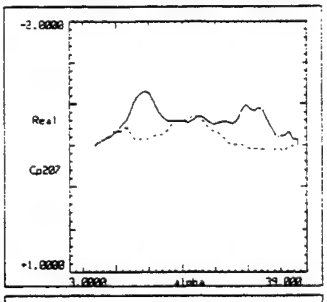


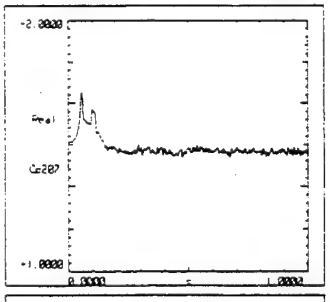


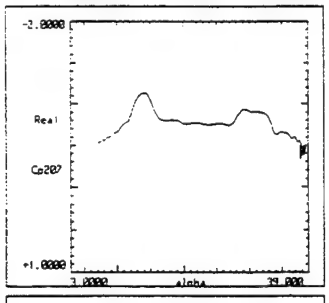


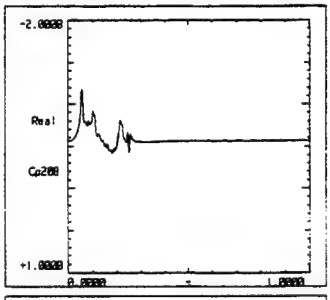


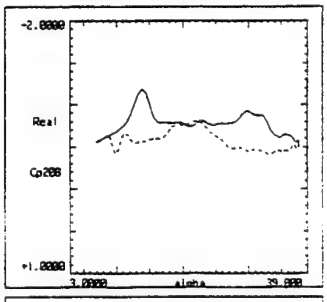


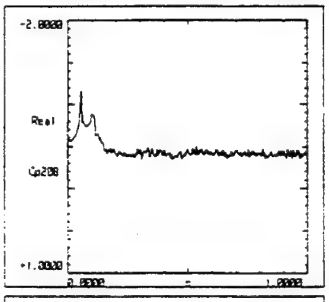


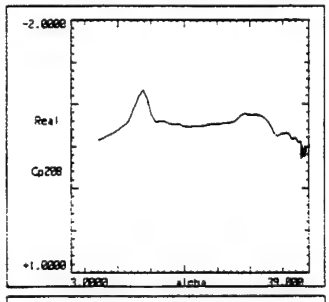


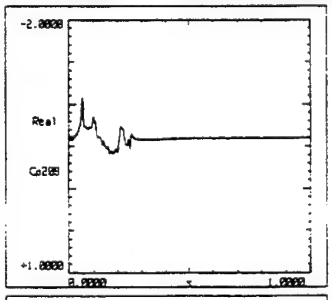


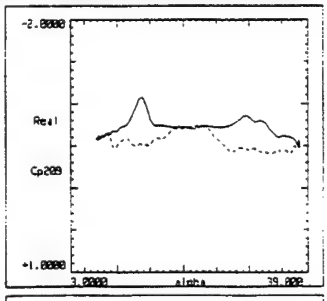


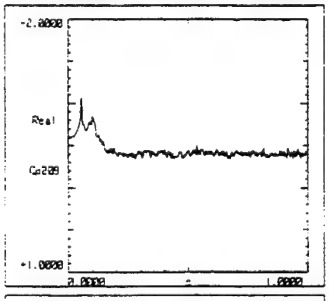


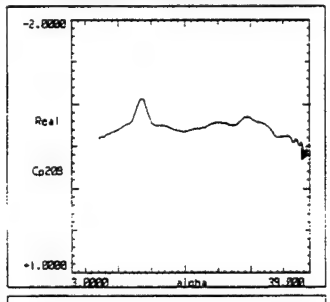












DPN : 656

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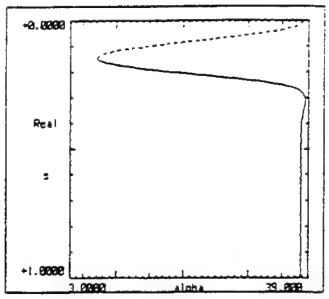

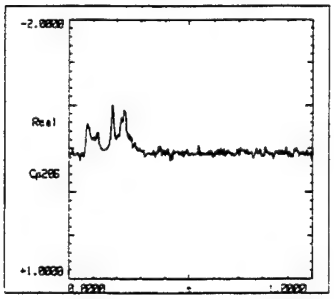

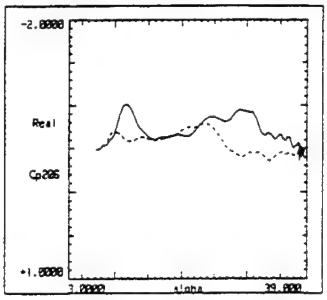

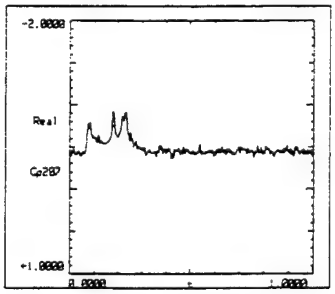

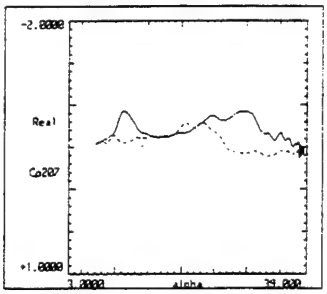

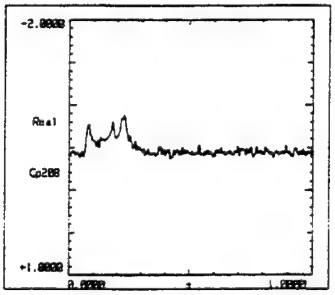

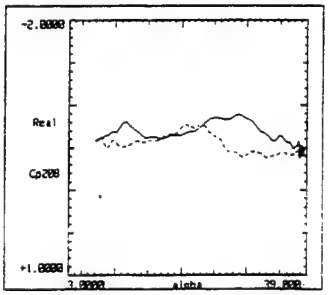

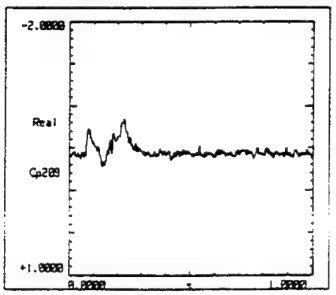

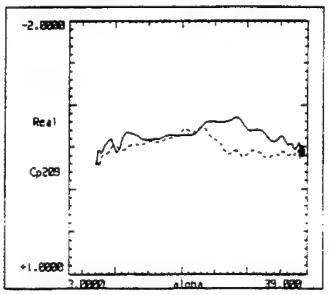

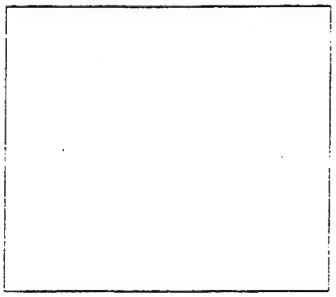

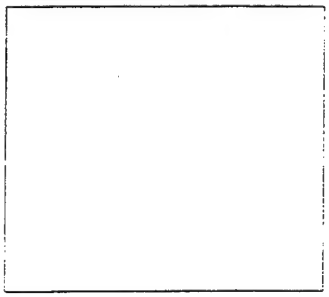

DPN : 656

half cos input

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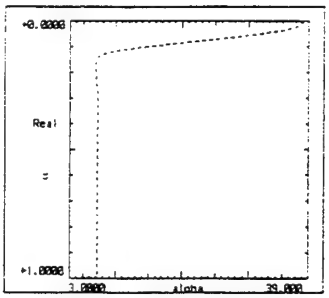
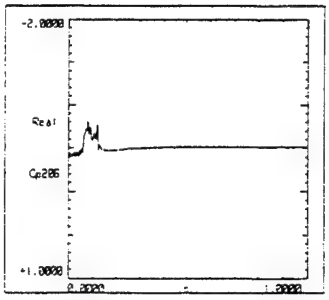
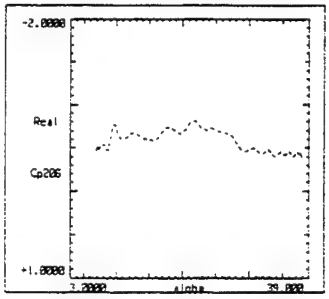
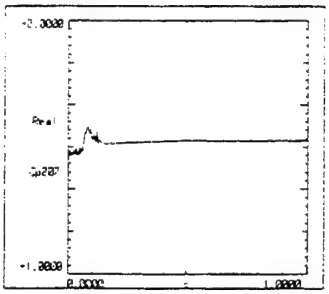
freq = 3.800 Hz

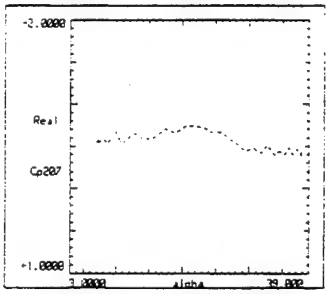
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

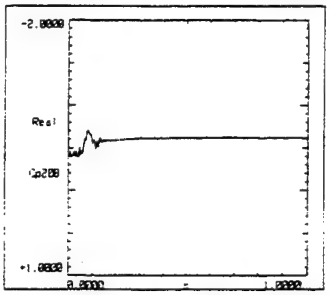


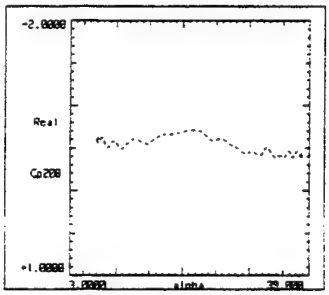


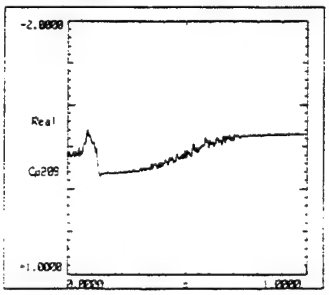


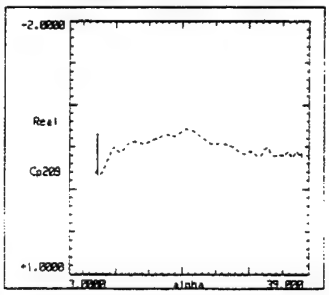


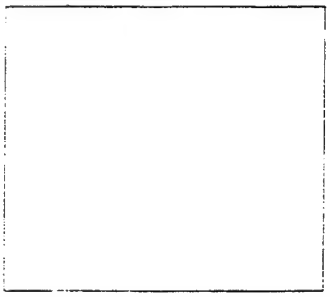


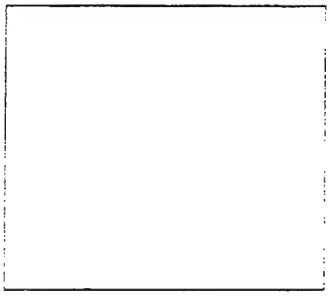










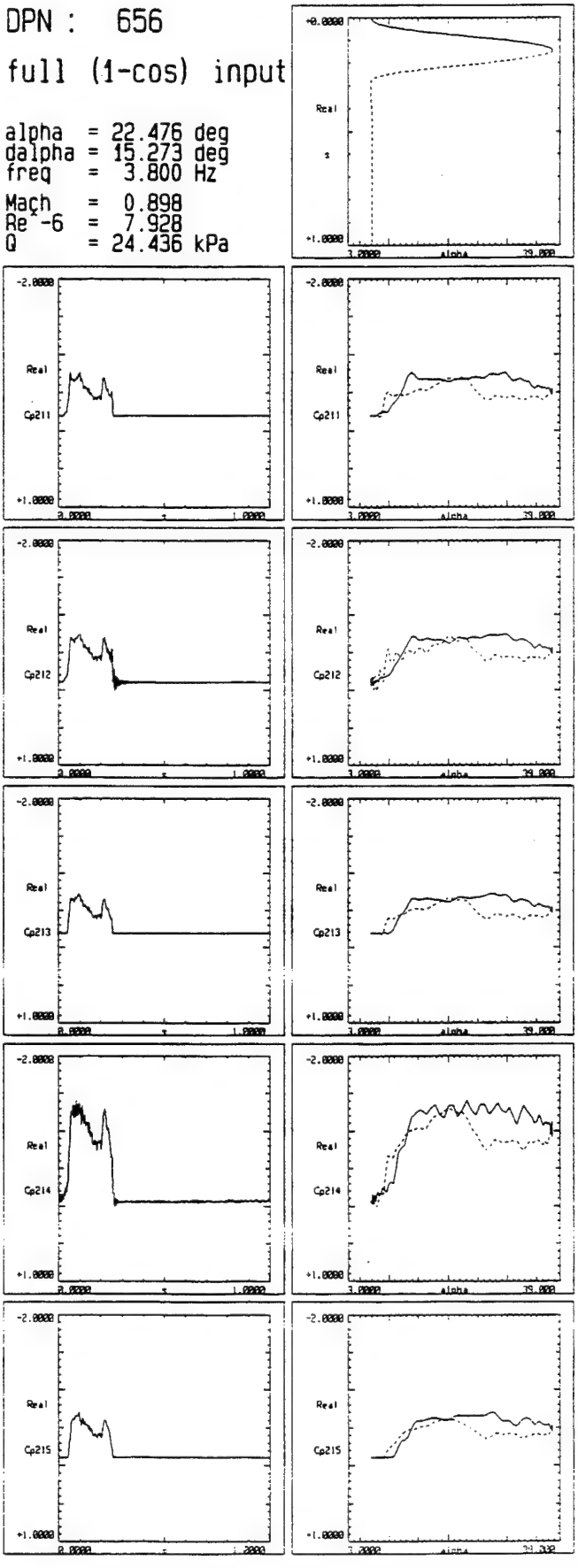


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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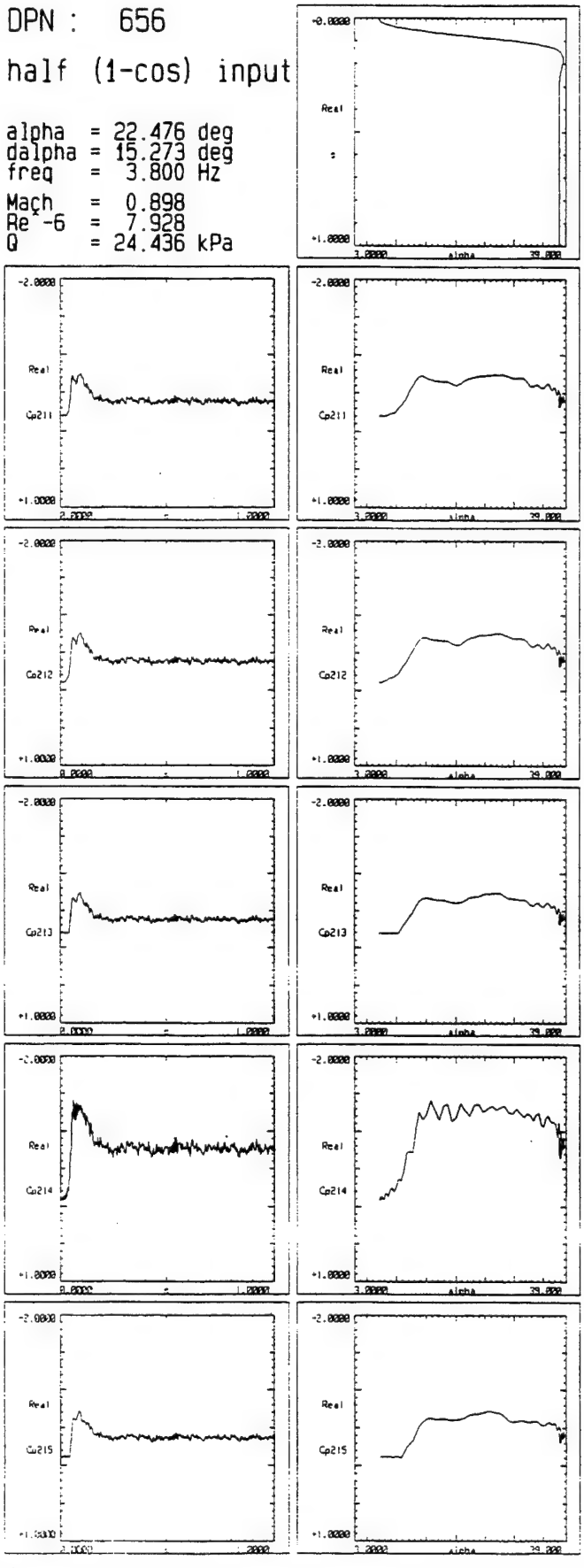

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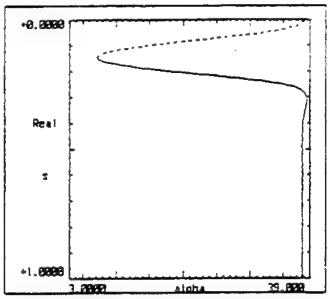

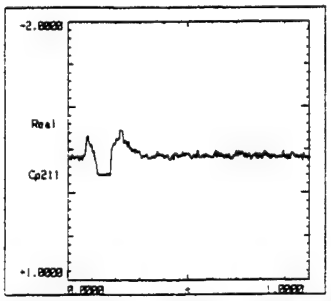

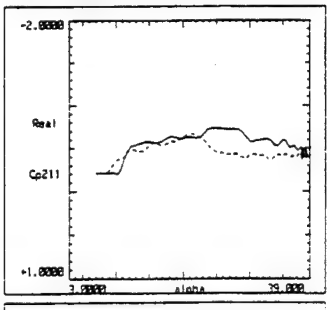

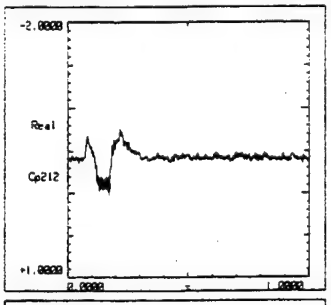

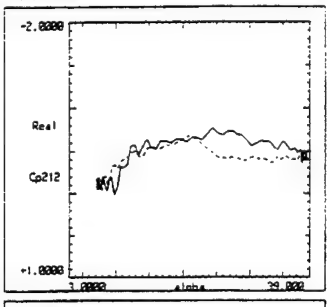

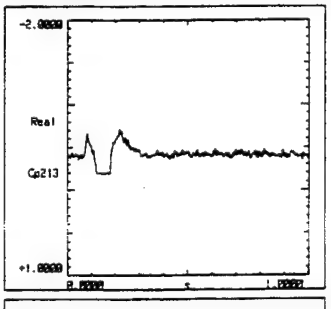

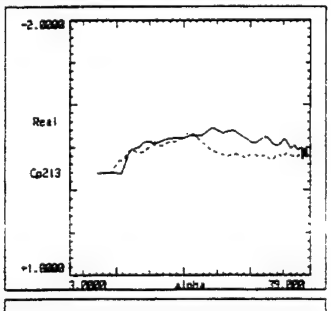

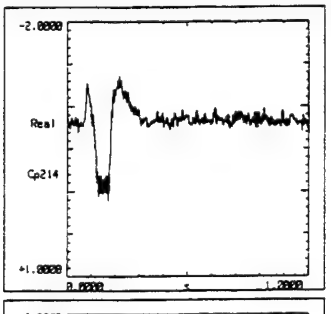

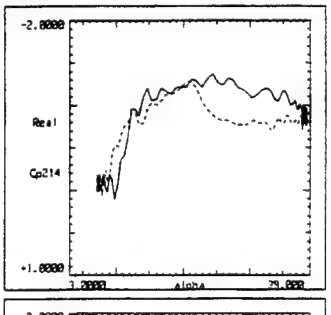

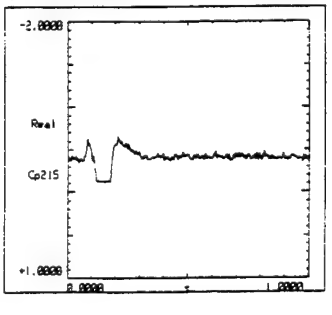

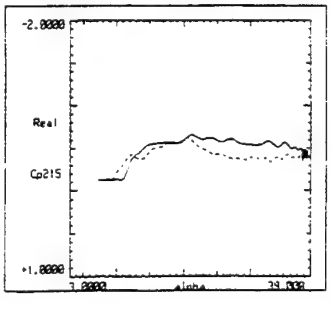

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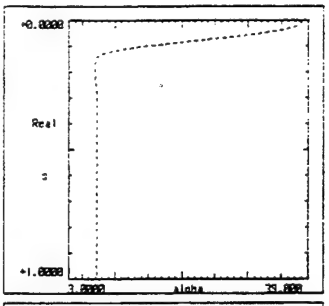
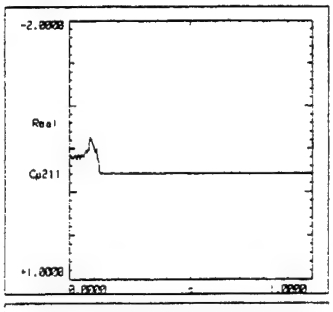
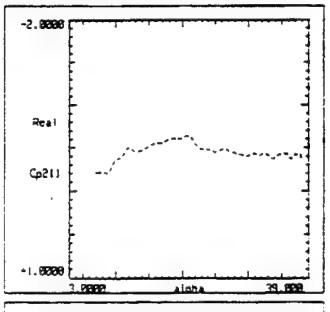
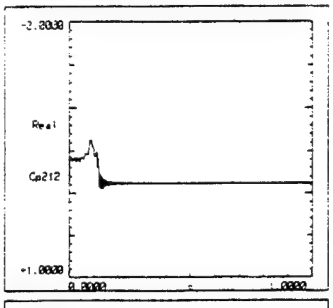
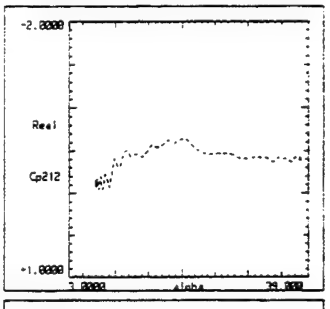
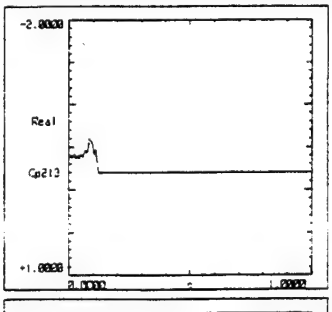


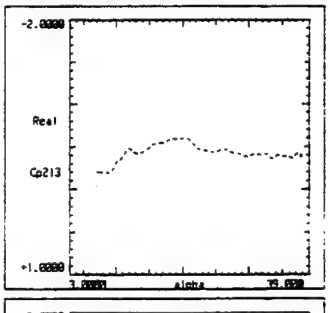


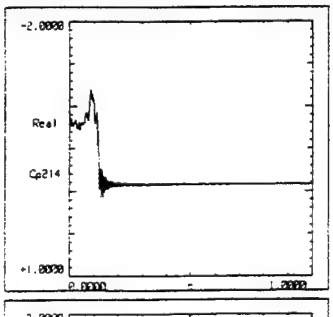


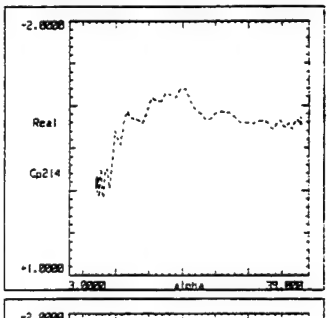


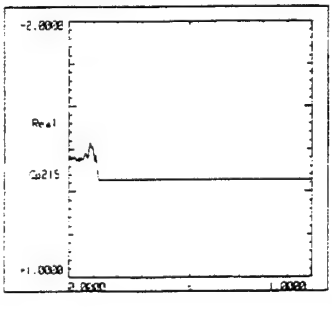


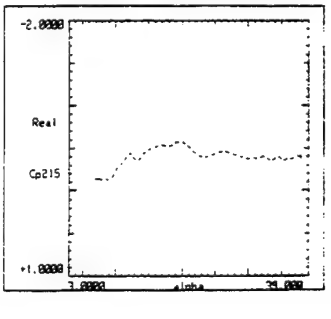










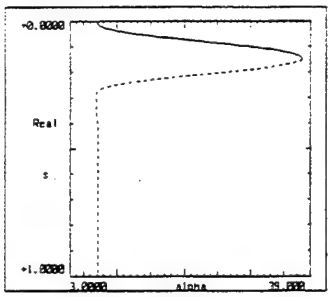


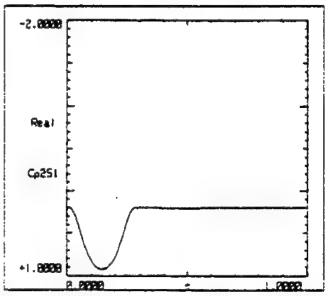
DPN : 656

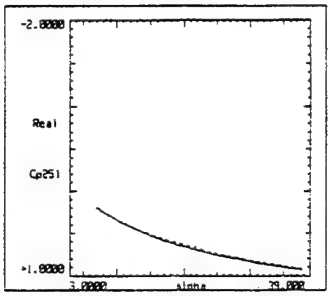
full (1-cos) input

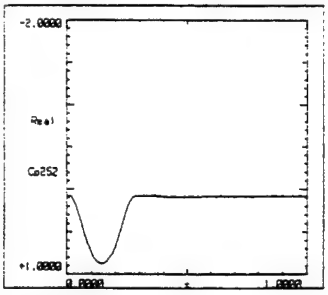
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

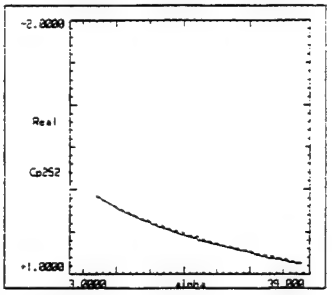
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

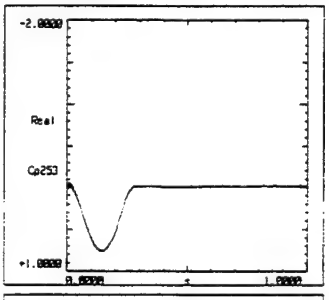


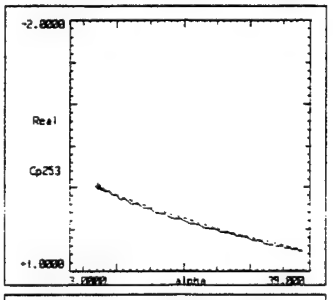


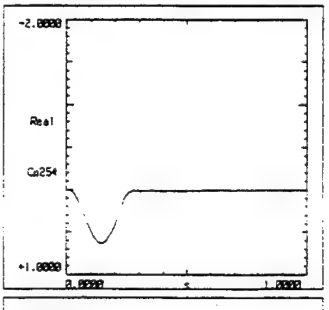


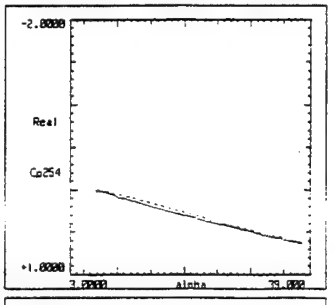


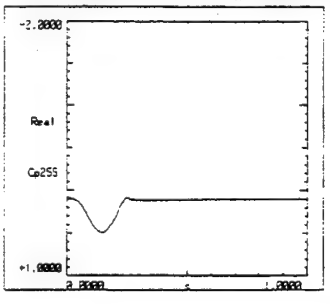


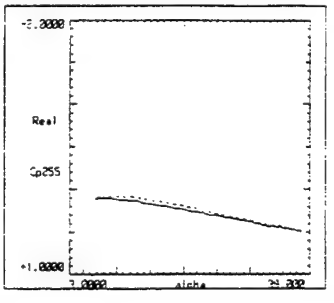












DPN : 656

half (1-cos) input

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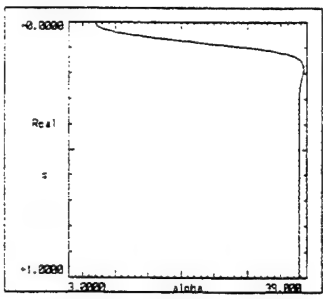
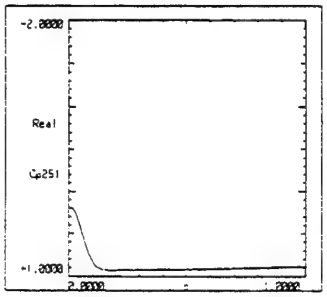
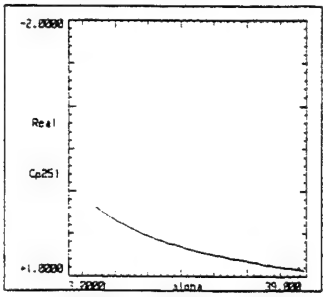
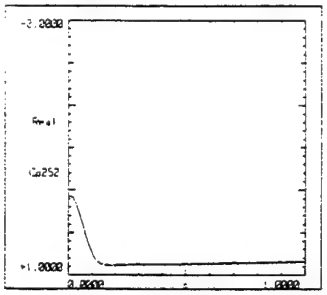
dalpha = 15.273 deg
freq = 3.800 Hz

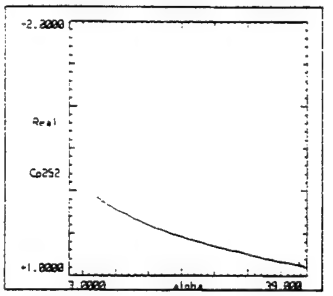
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

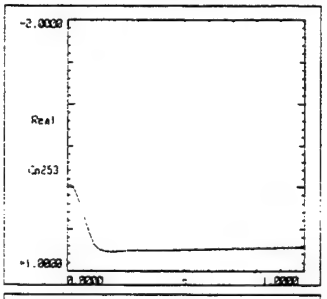


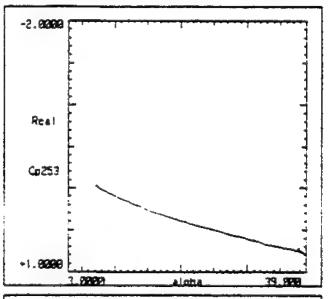


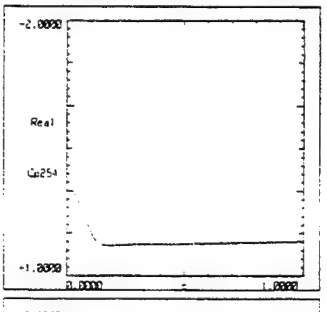


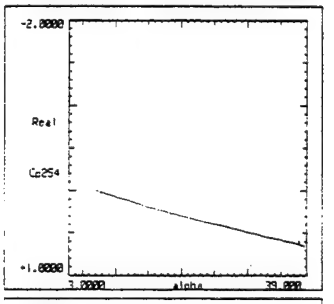


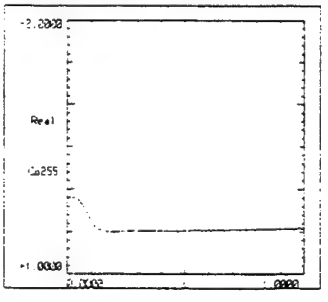


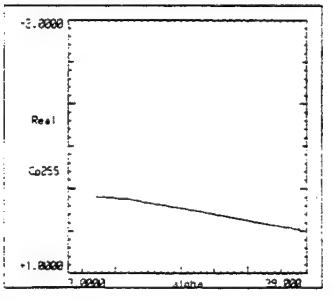










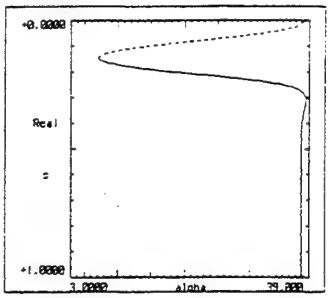


DPN : 656

full cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



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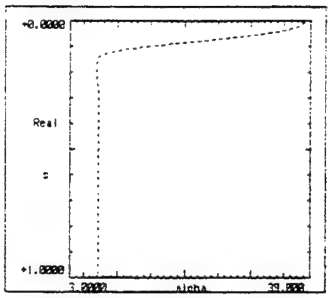

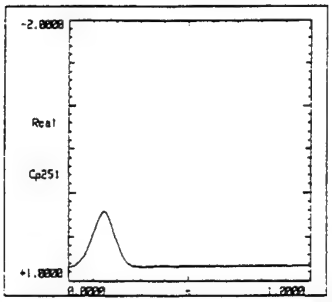

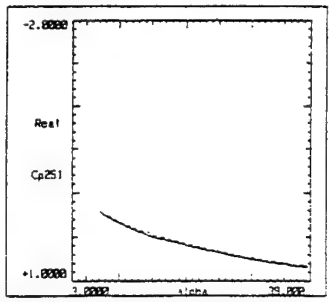

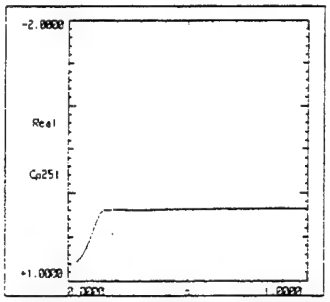

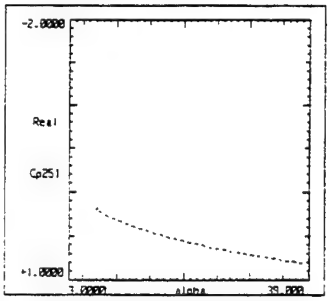

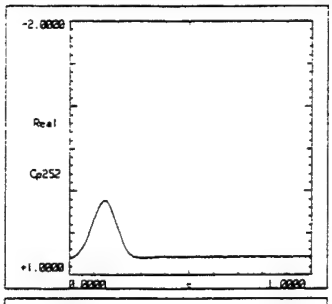

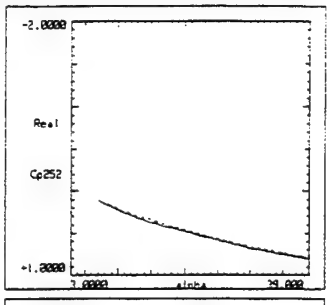

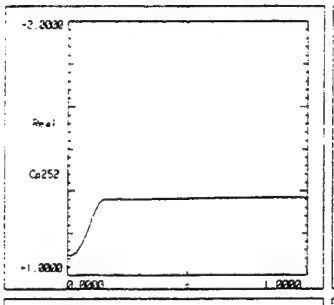

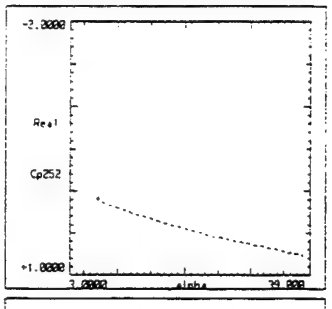

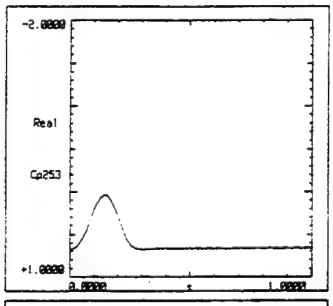

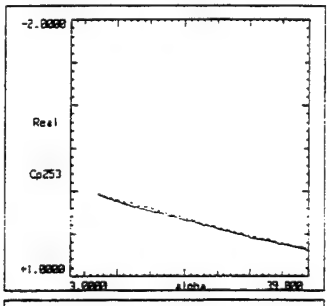

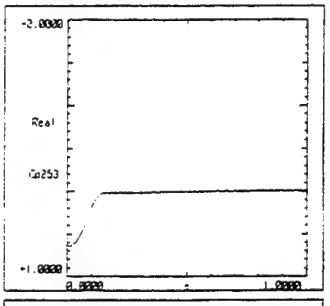

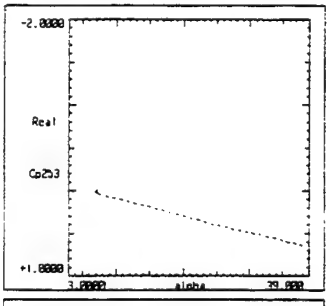

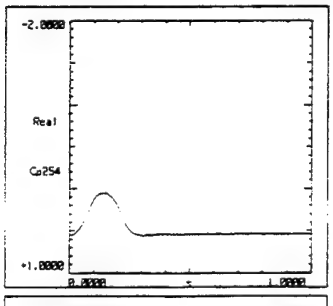

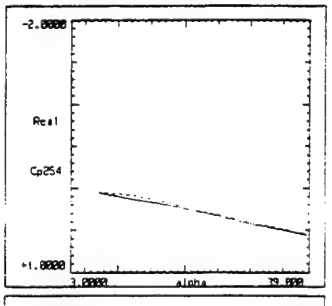

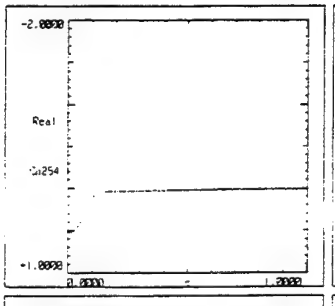

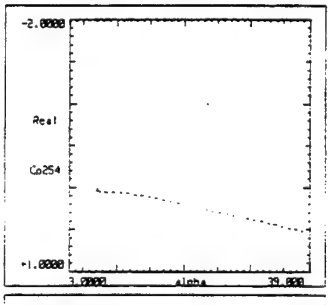

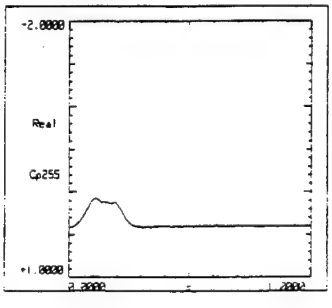

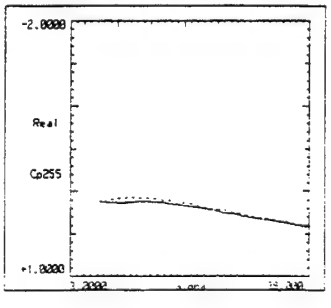

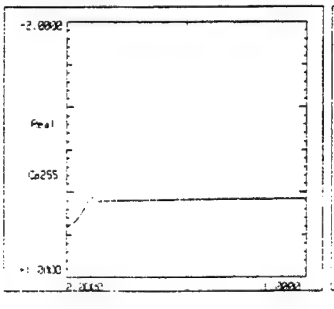

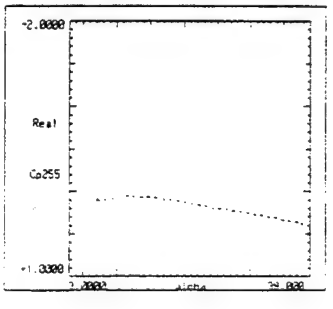

DPN : 656

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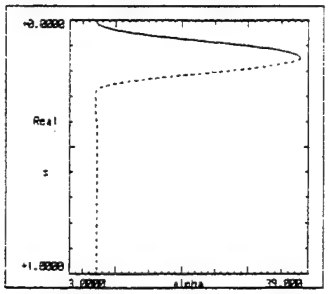
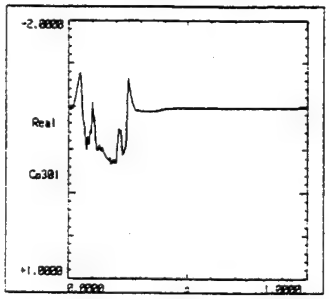
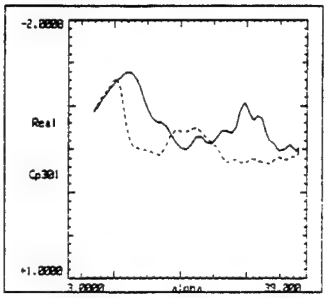
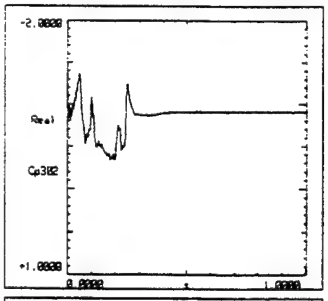
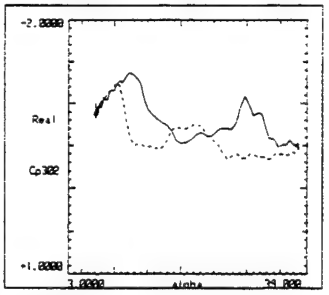
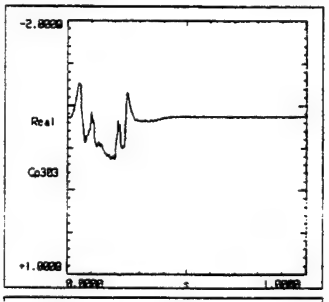


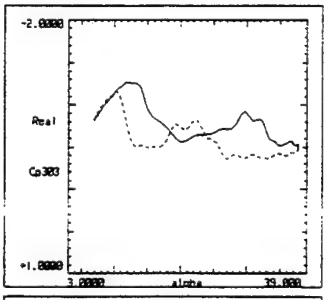


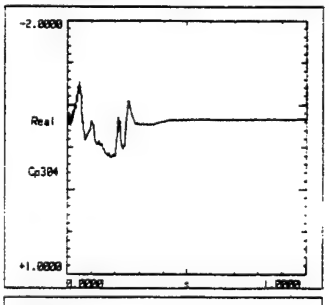


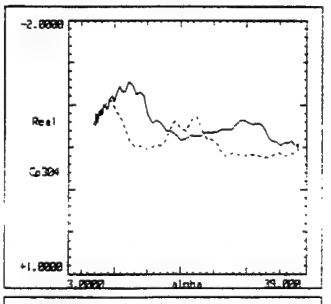


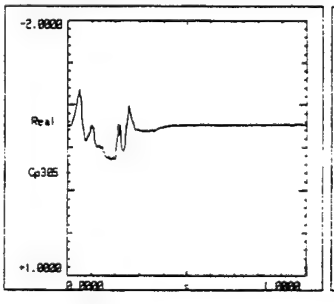


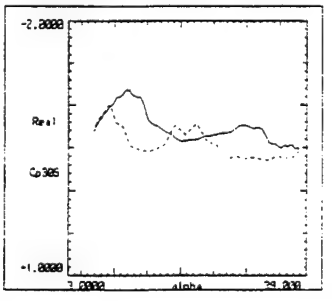










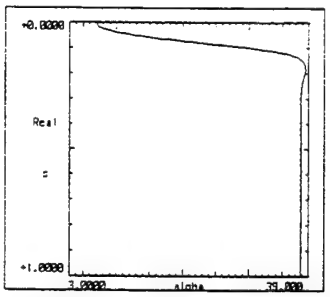


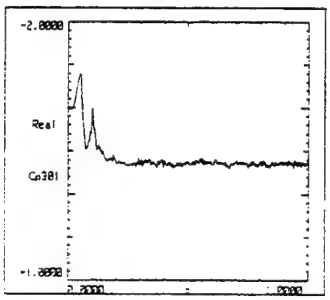
DPN : 656

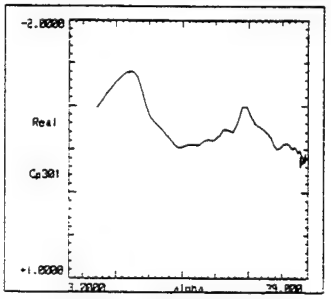
half (1-cos) input

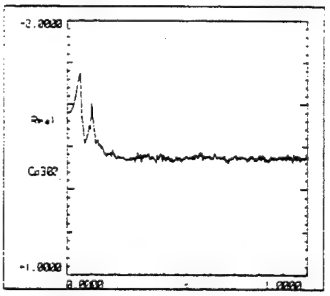
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

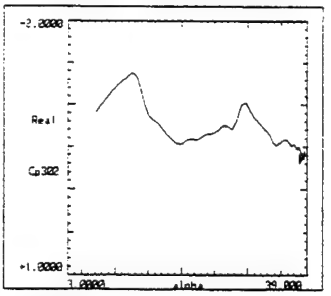
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

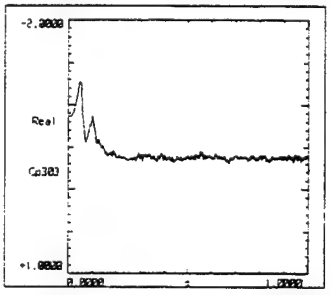


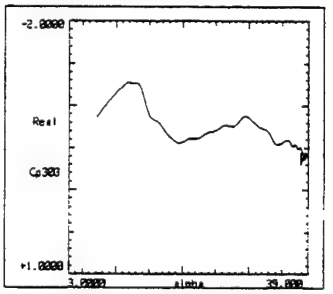


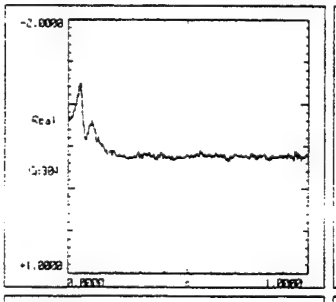


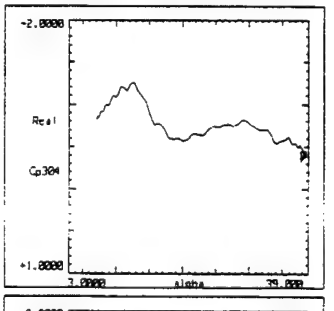


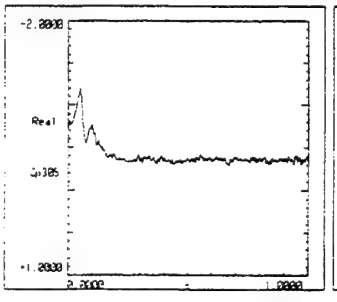


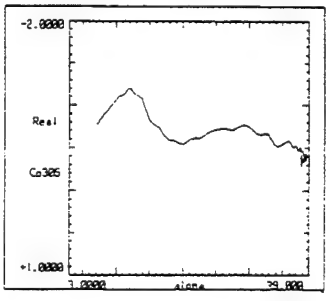










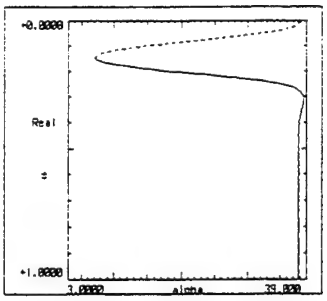


DPN : 656

full cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



DPN : 656

half cos input

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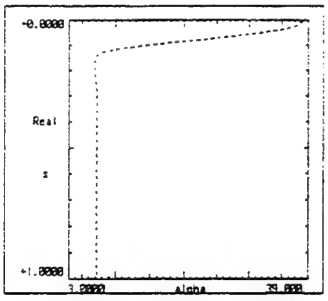
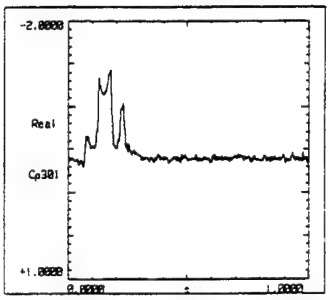
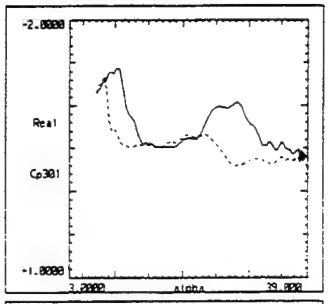
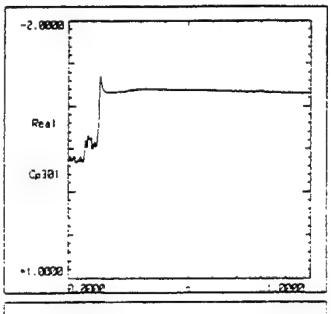
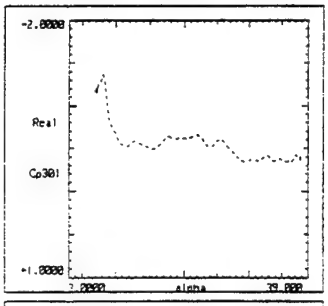
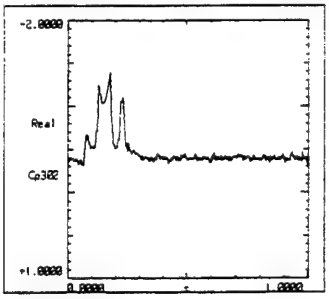


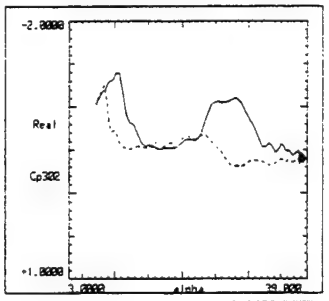


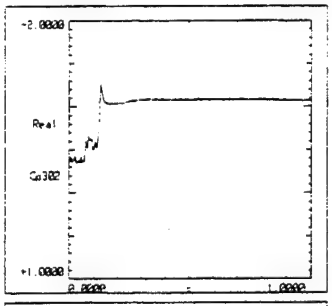


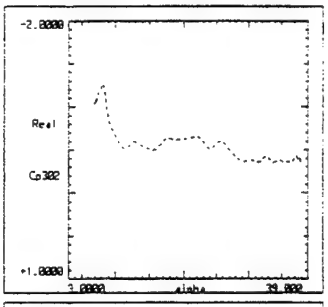


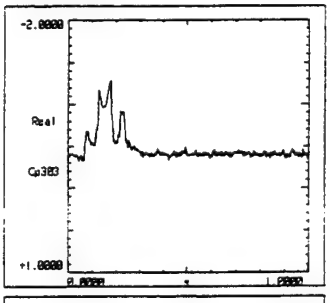


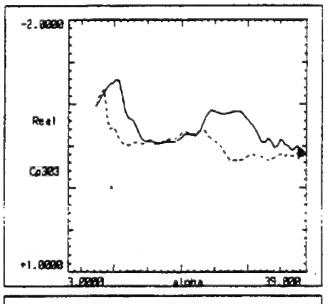


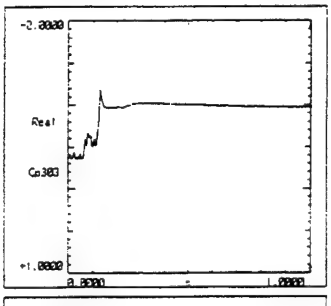


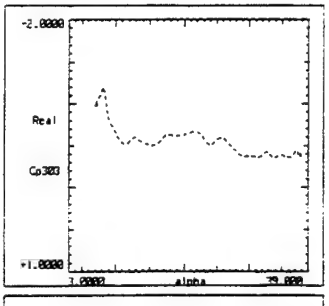


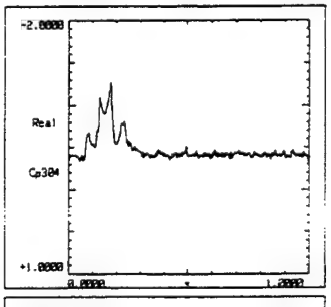


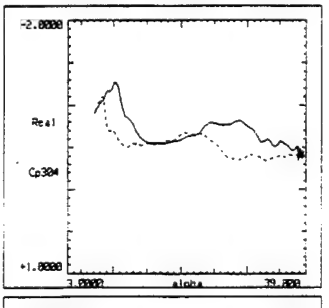


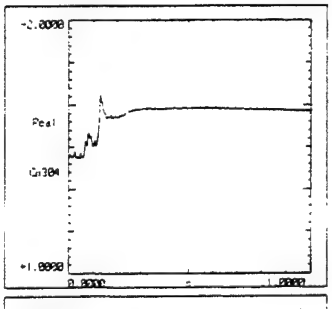


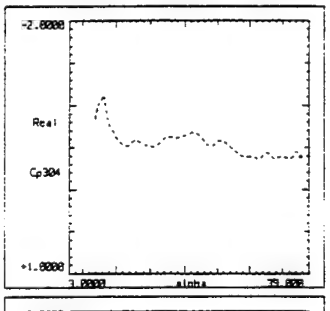


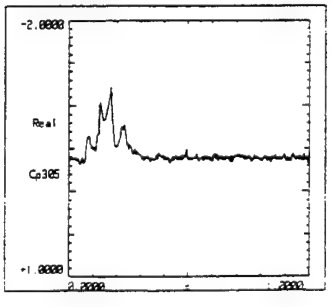


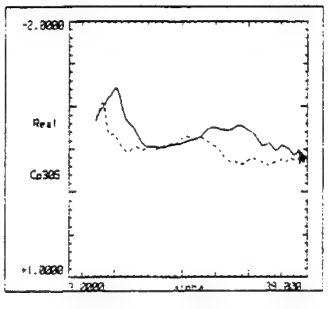


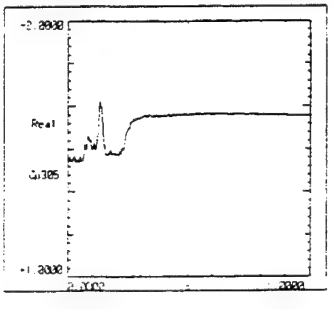


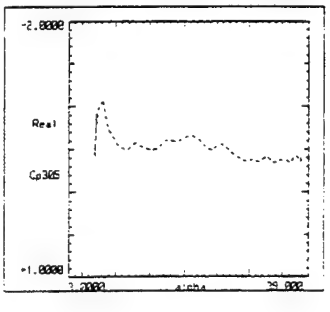










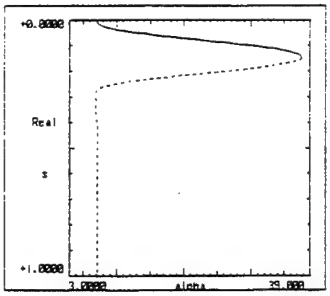


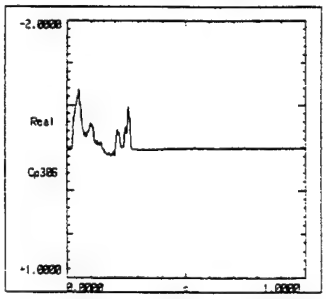
DPN : 656

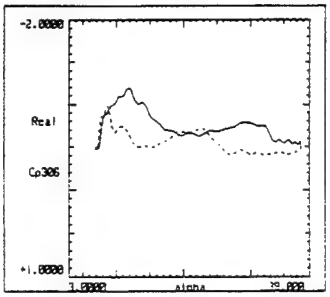
full (1-cos) input

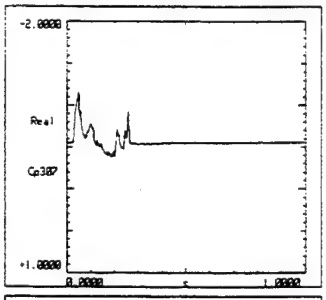
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

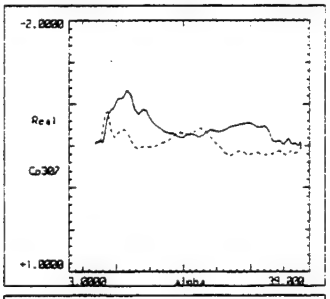
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

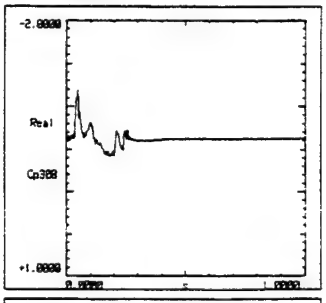


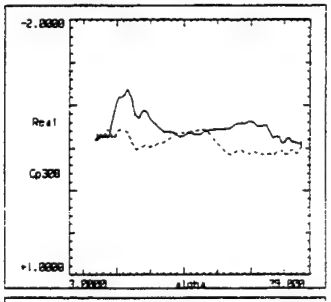


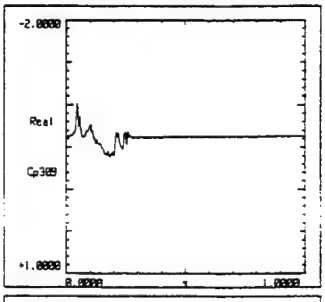


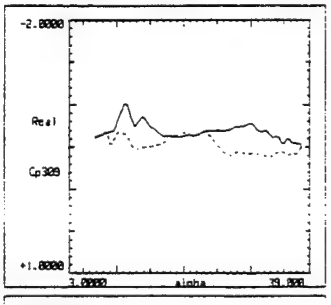


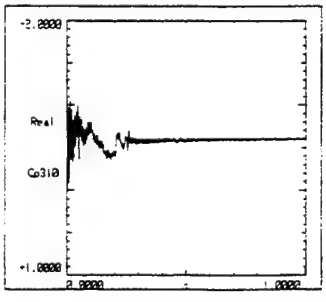


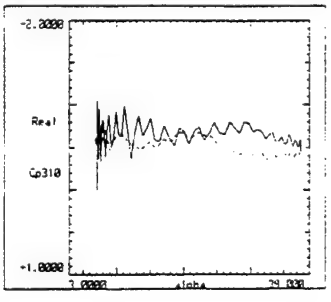










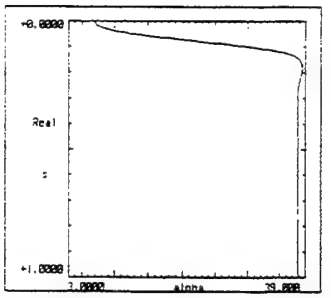


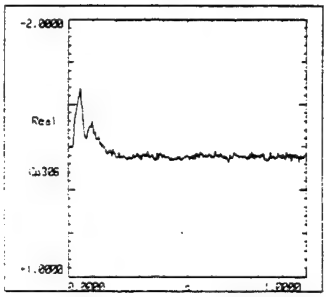
DPN : 656

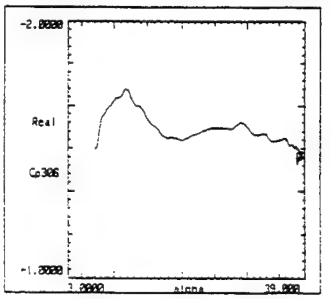
half (1-cos) input

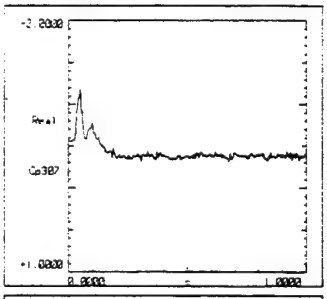
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

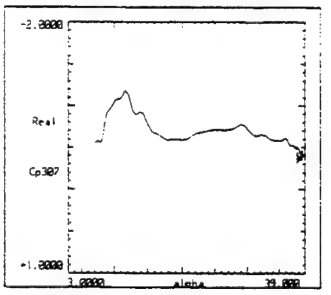
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

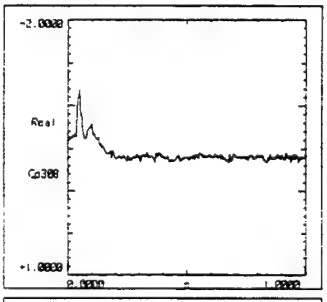


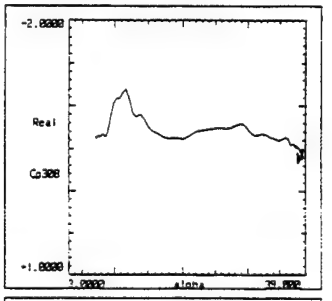


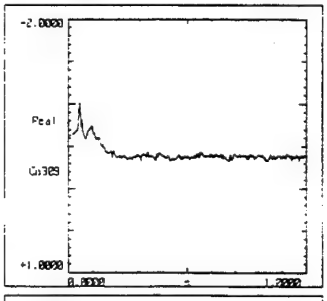


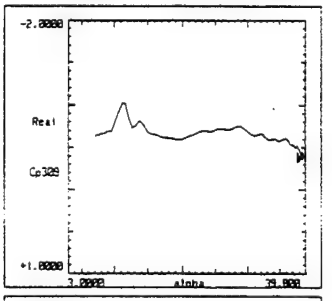


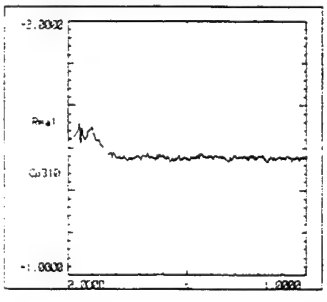


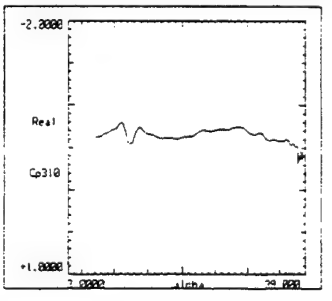










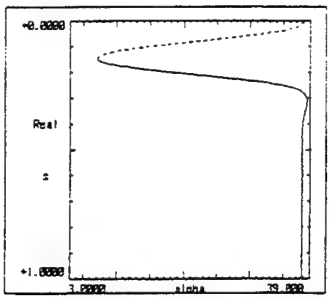


DPN : 656

full cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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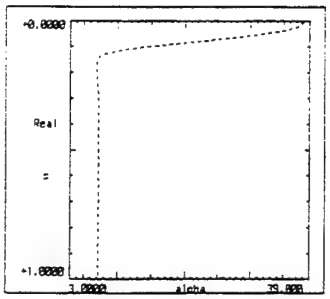
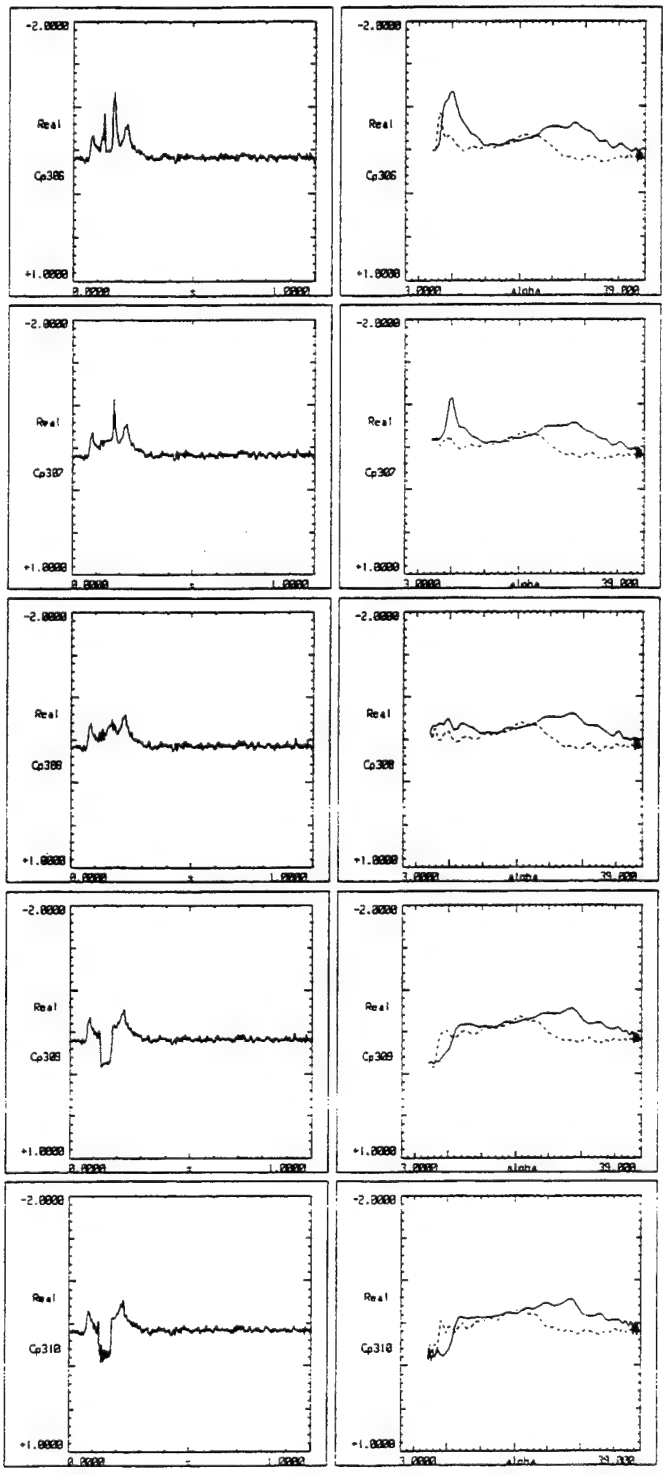
Q = 24.436 kPa



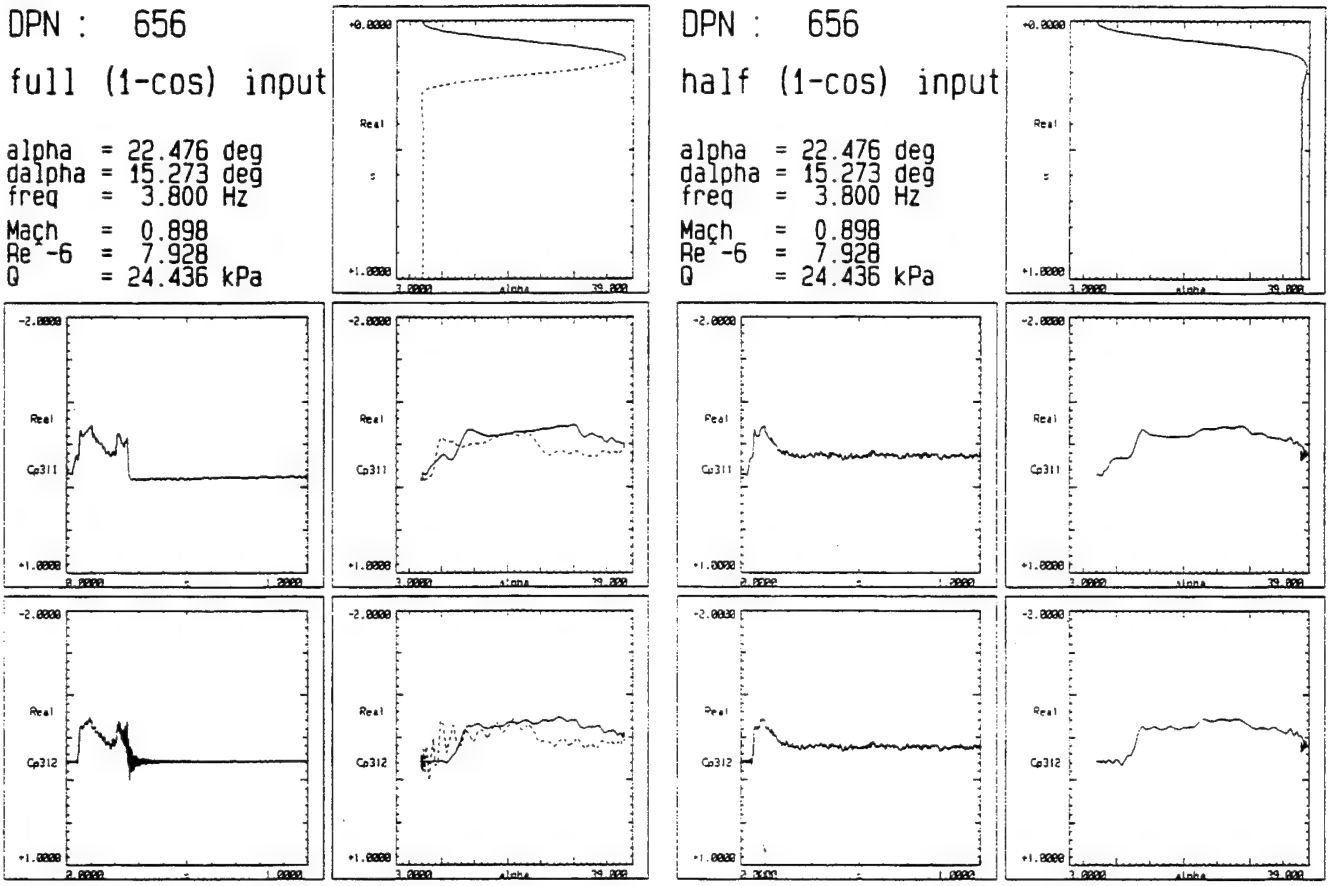


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



DPN : 656

half (1-cos) input

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freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

DPN : 656

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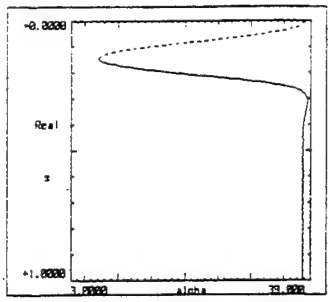

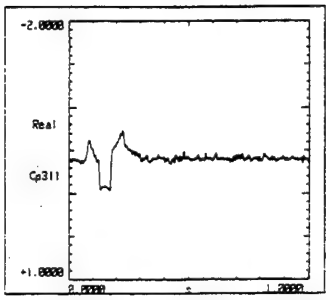

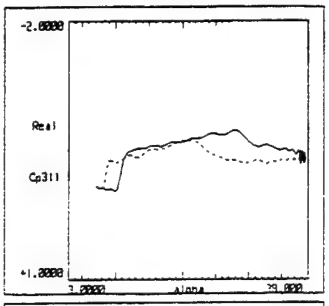

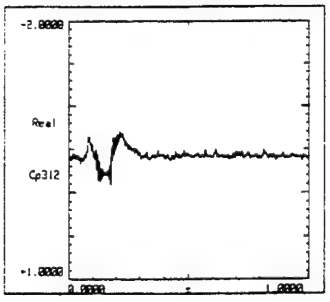

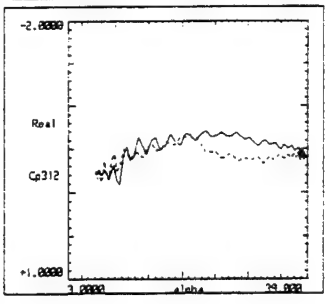

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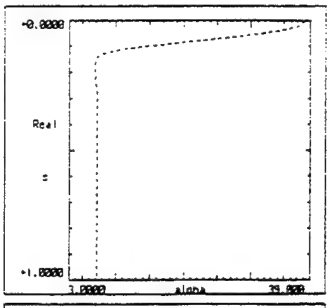

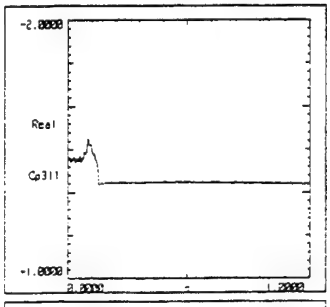

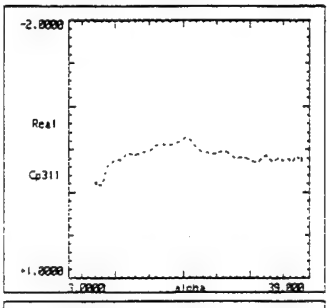

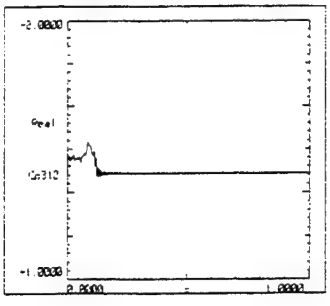

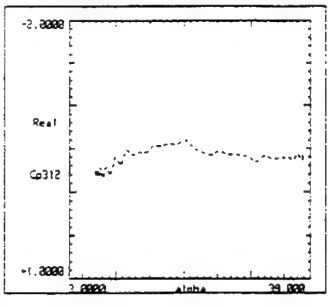

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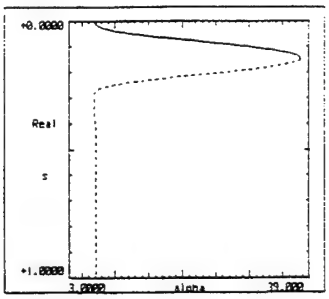

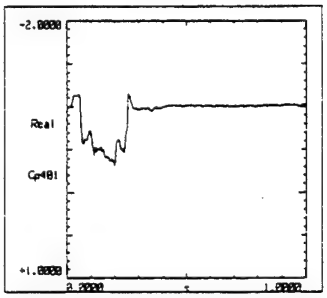

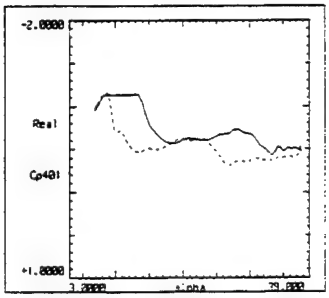

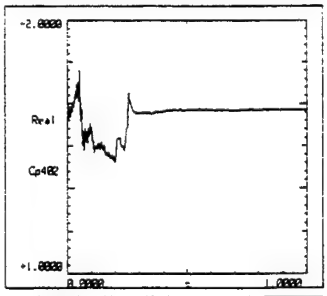

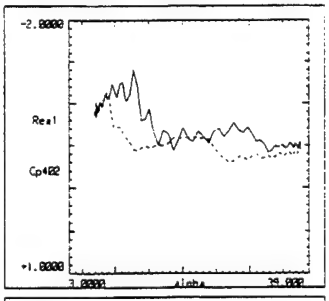

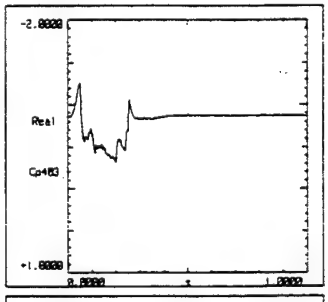

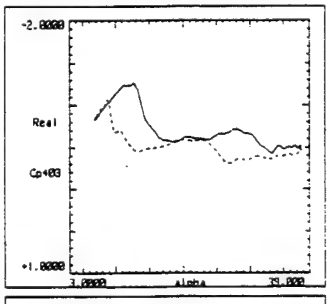

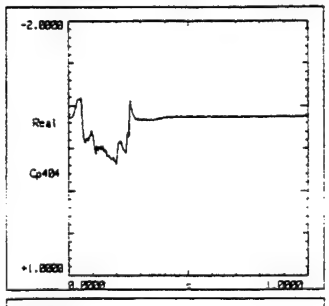

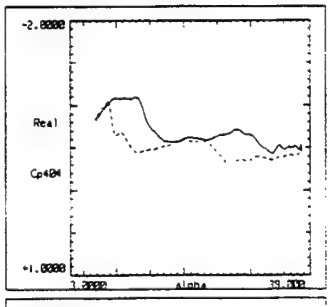

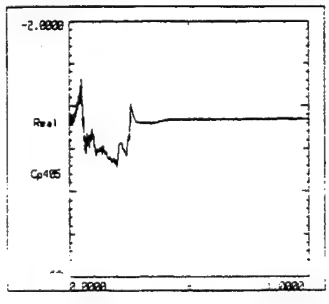

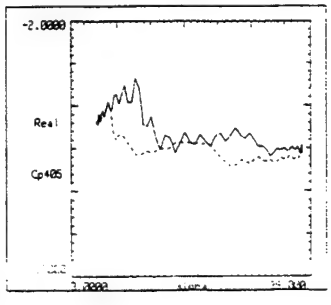

DPN : 656

half (1-cos) input

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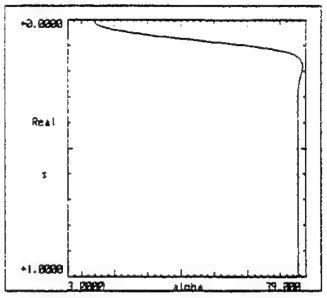
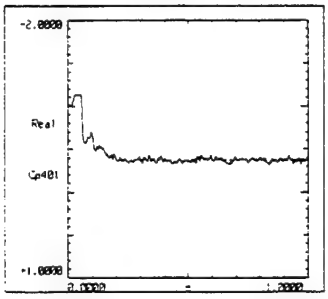
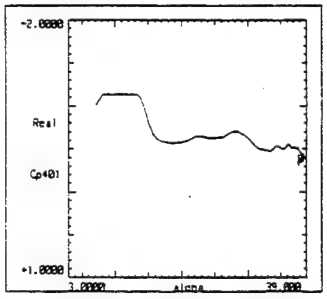
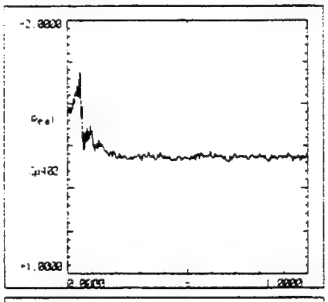
freq = 3.800 Hz

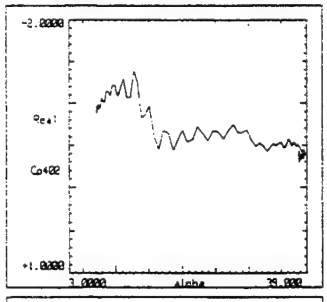
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

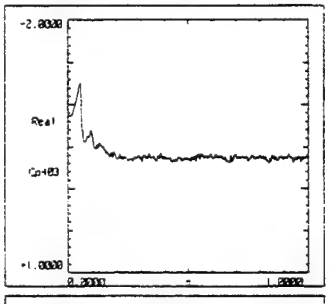


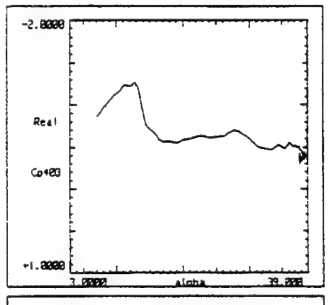


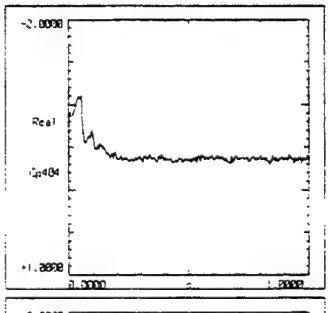


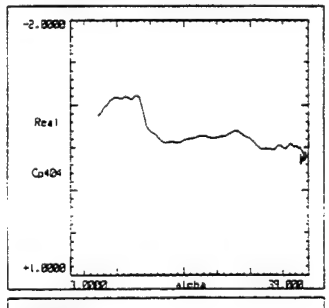


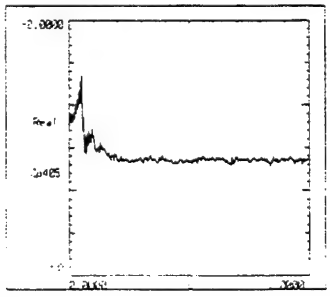


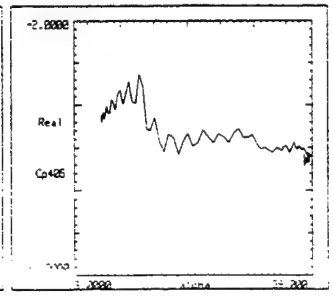












DPN : 656

full cos input

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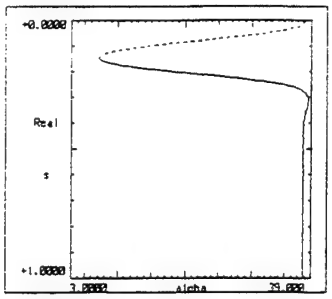
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



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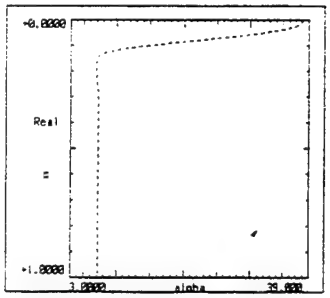

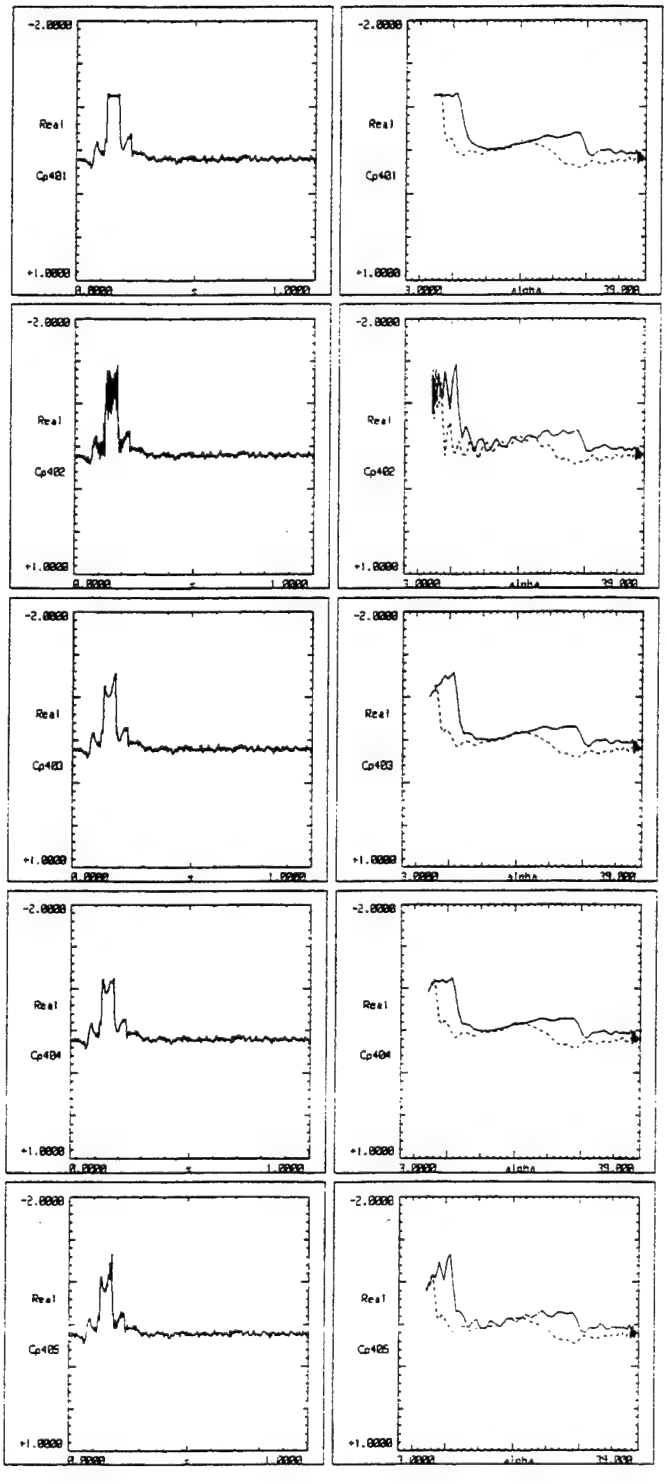

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full (1-cos) input

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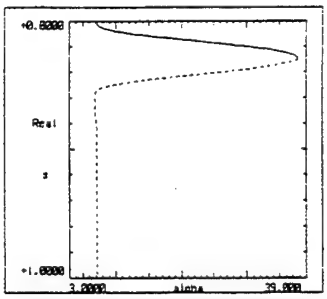
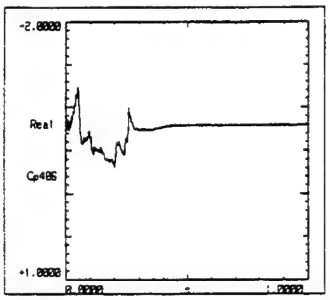
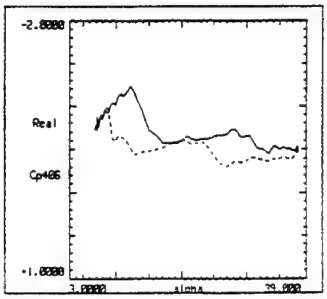
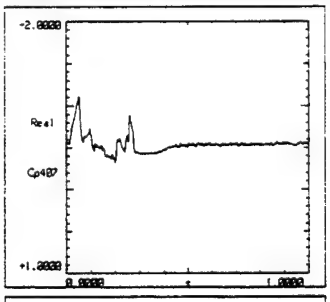
freq = 3.800 Hz

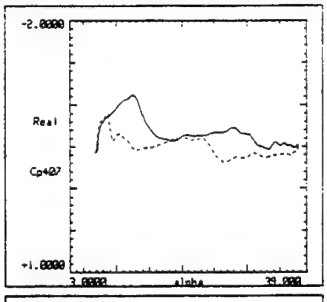
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

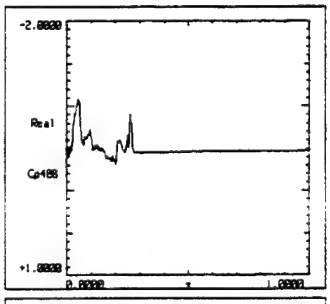


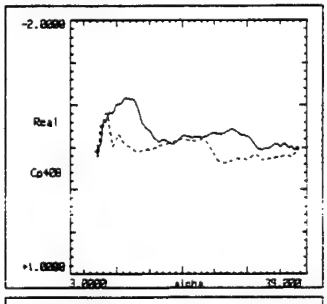


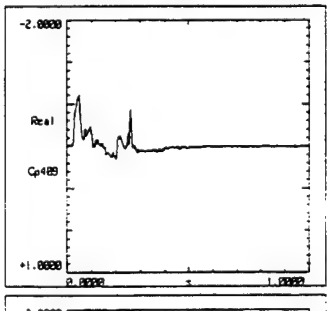


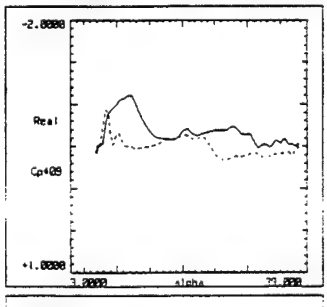


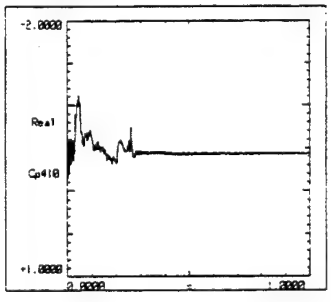


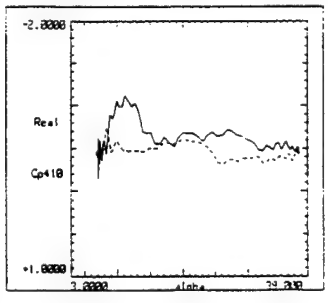












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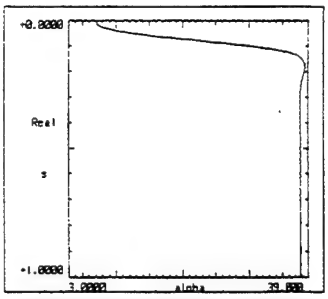
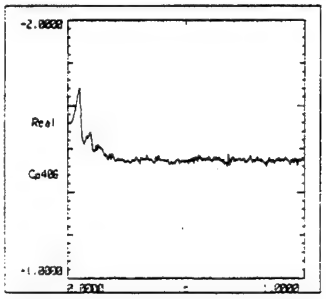
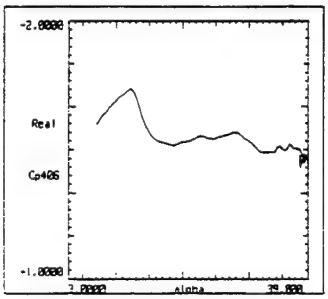
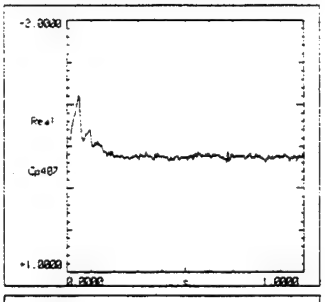
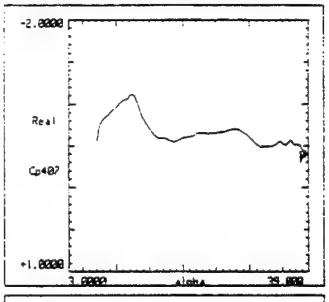
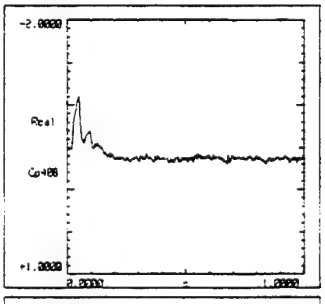


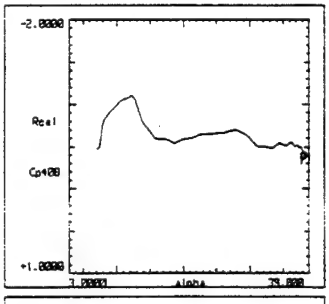


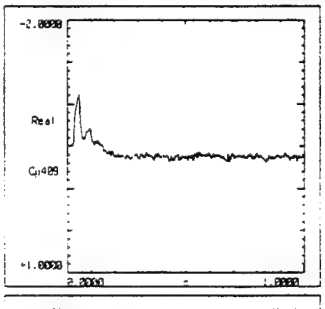


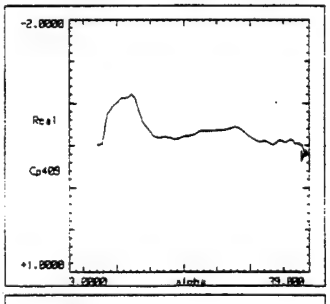


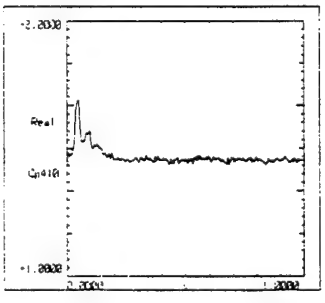


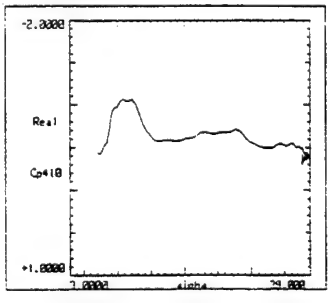










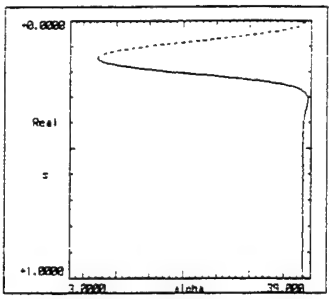


DPN : 656

full cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



DPN : 656

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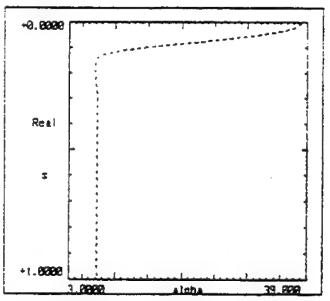

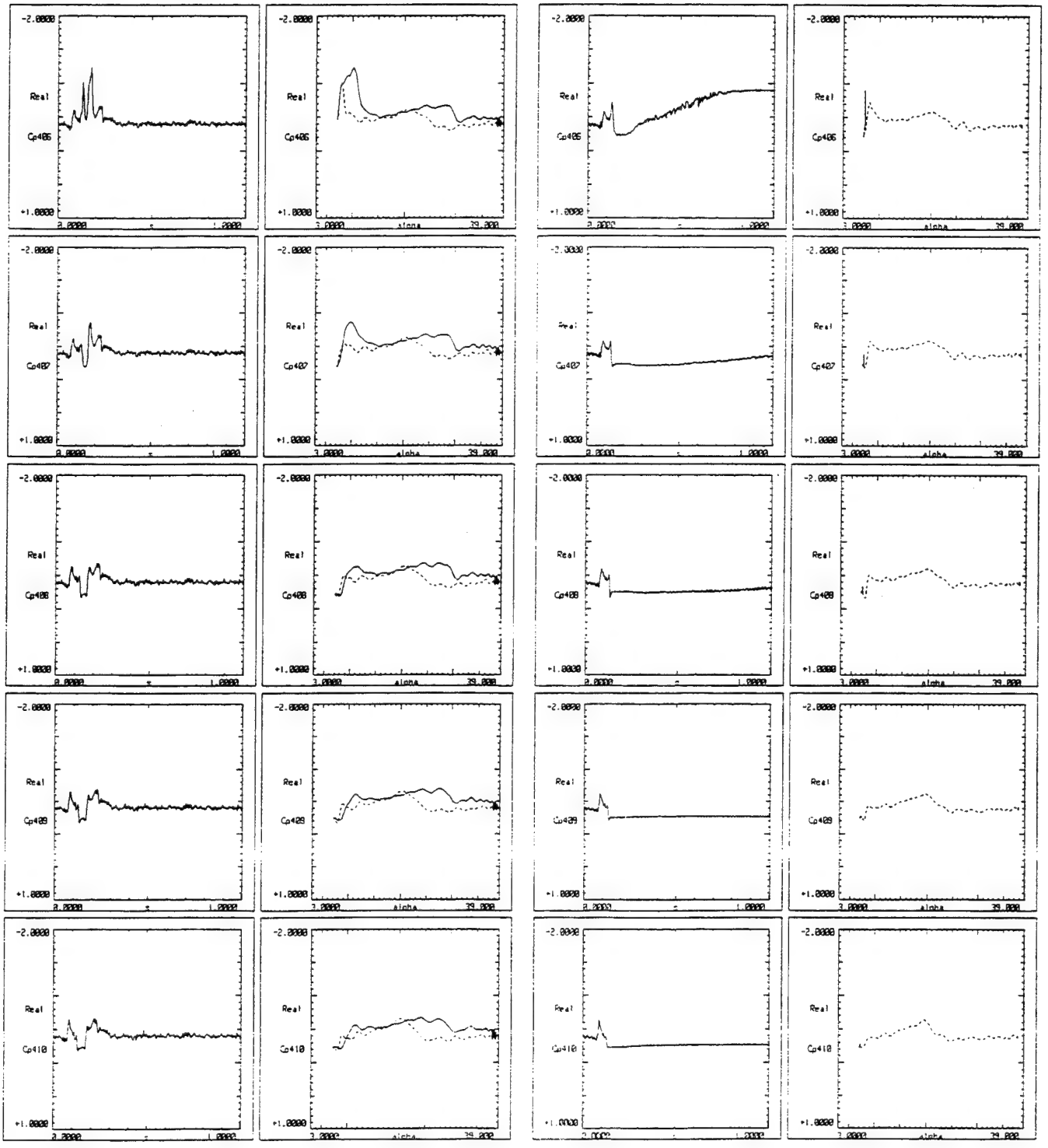

DPN : 656

full (1-cos) input

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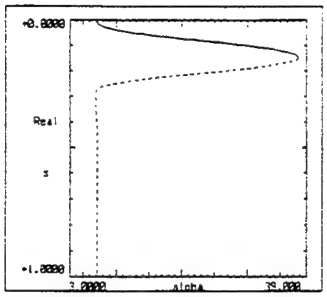
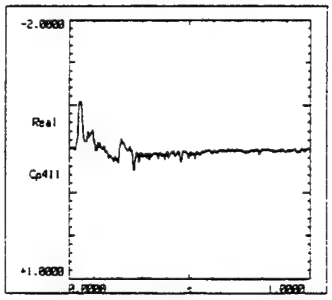
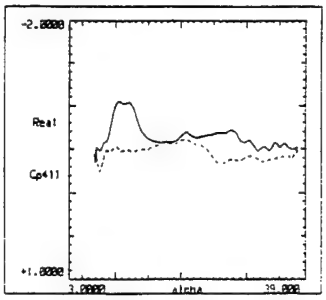
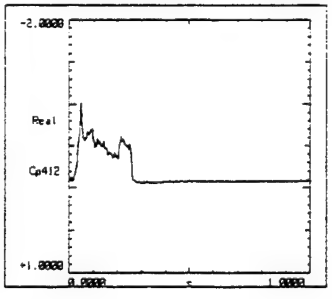
freq = 3.800 Hz

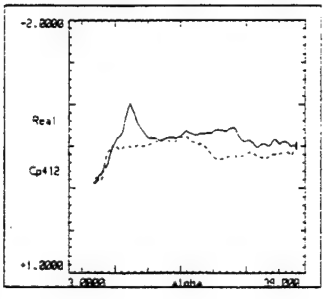
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa











DPN : 656

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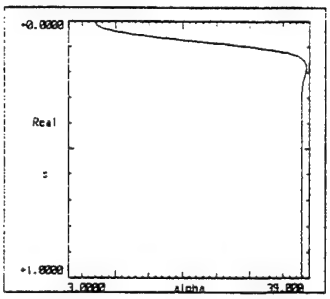
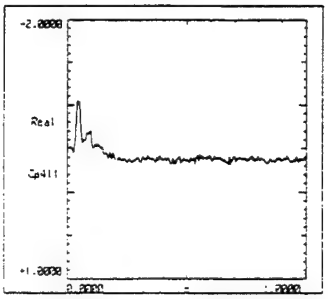
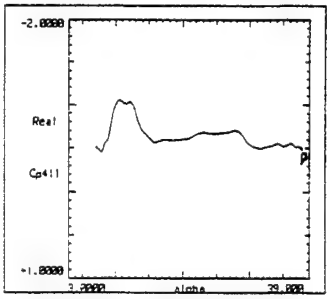
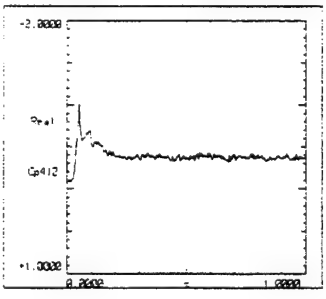
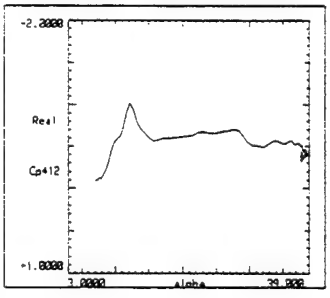
Re^-6 = 7.928
Q = 24.436 kPa











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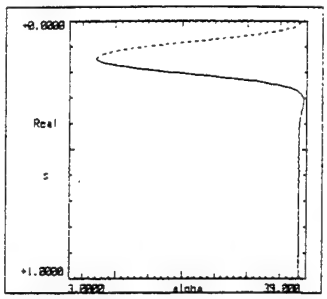

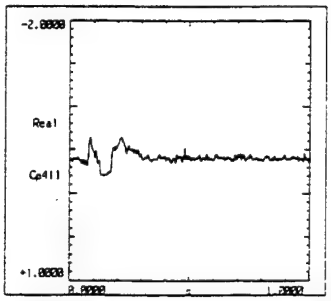

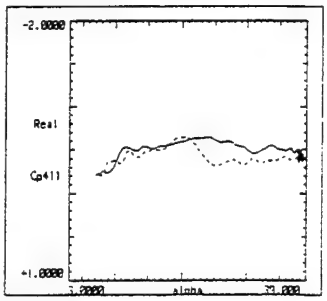

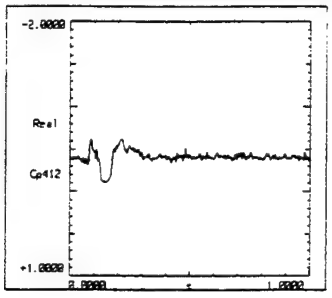

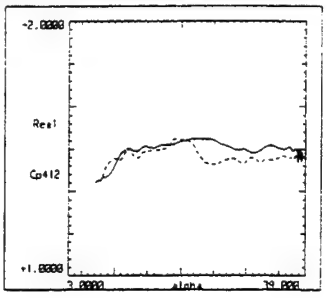

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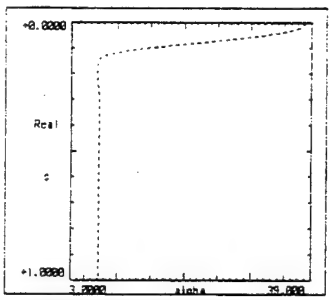

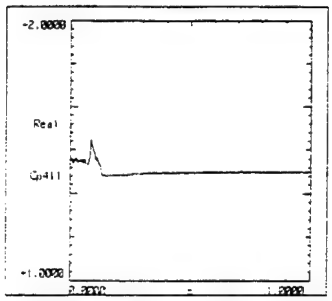

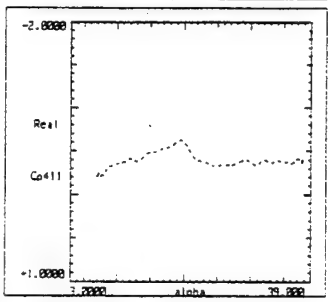

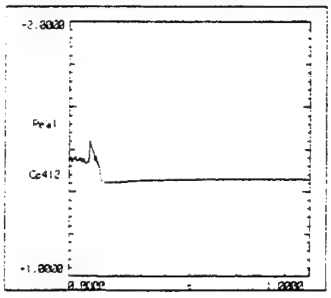

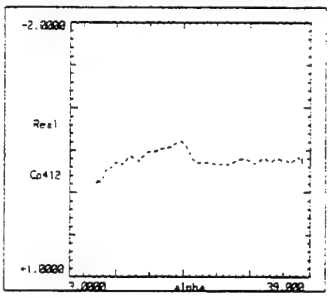

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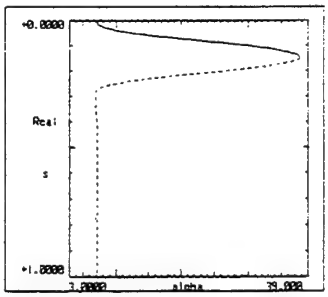

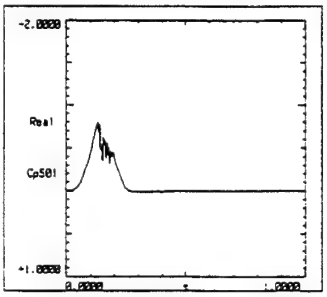

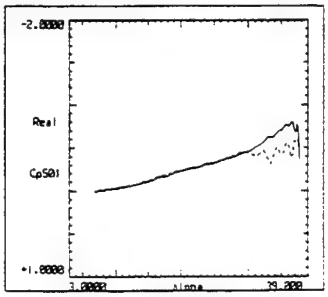

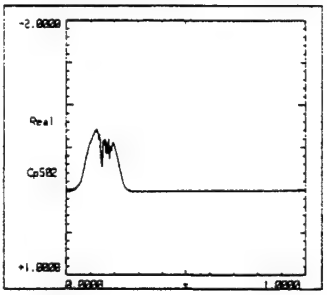

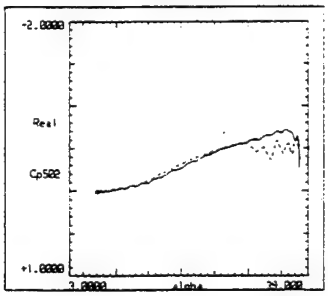

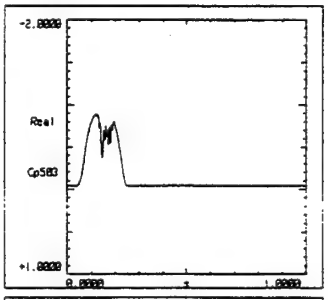

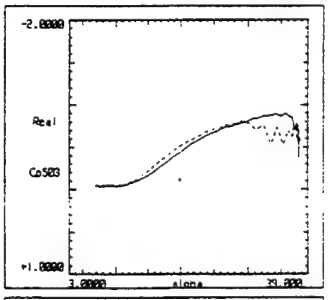

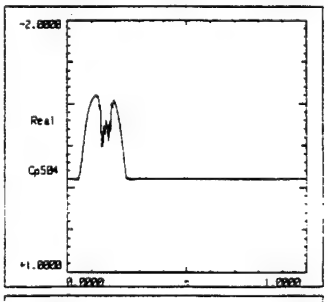

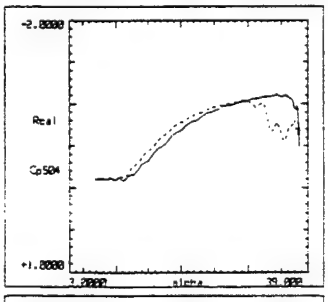

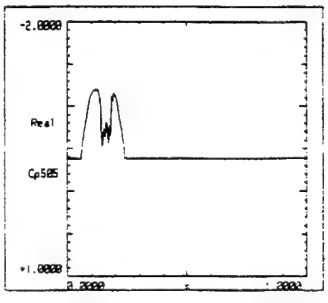

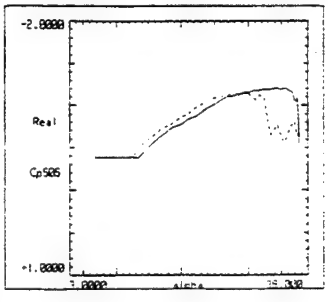

DPN : 656

half (1-cos) input

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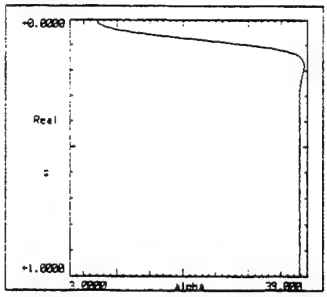

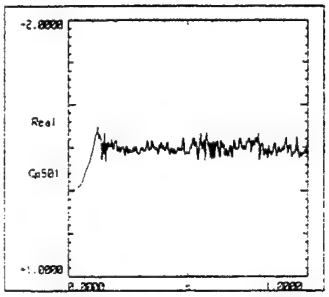

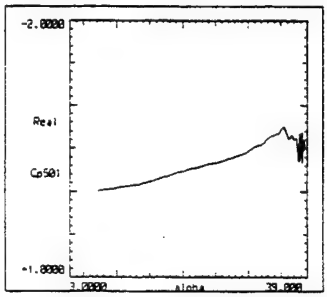

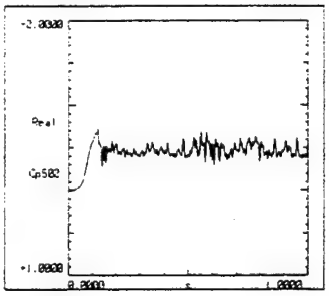

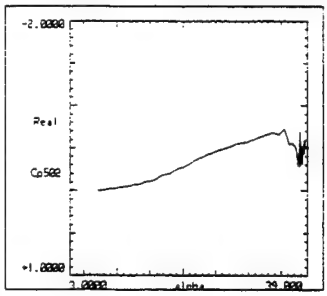

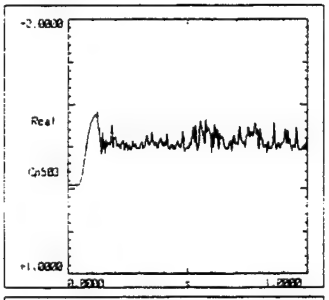

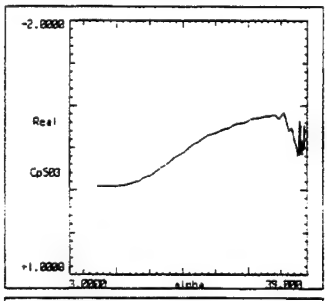

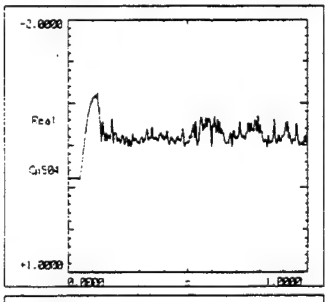

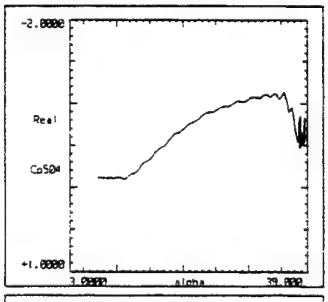

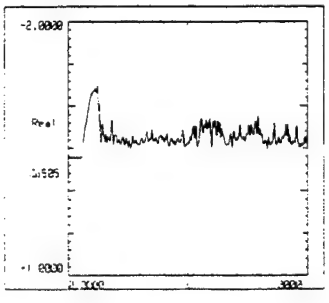

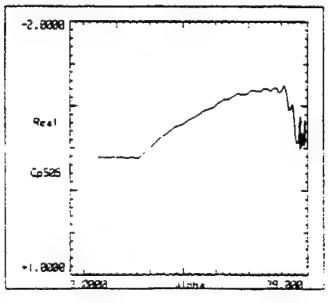

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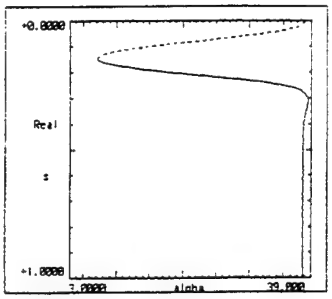

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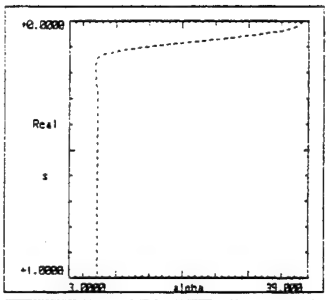
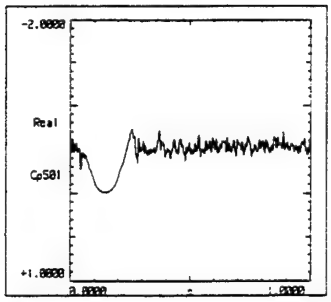
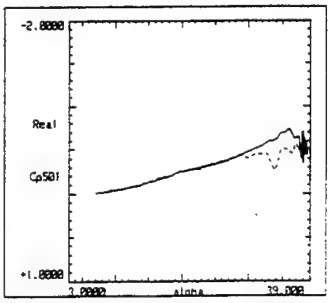
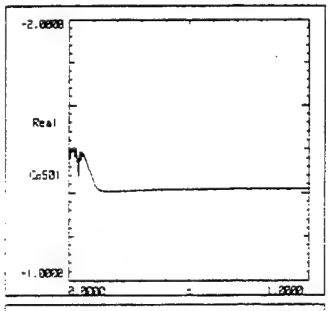
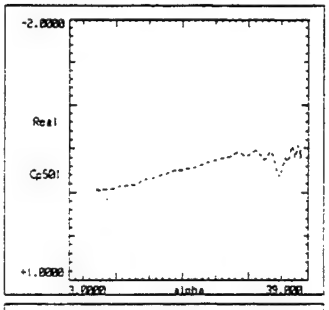
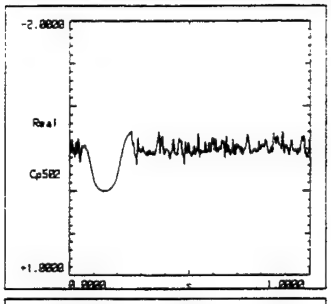


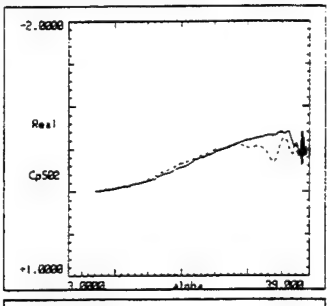


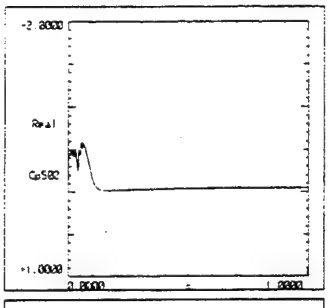


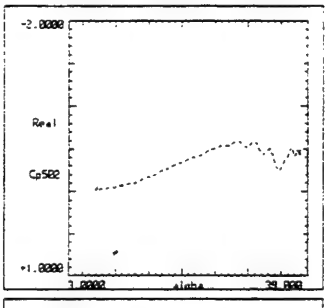


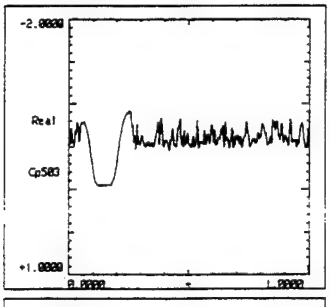


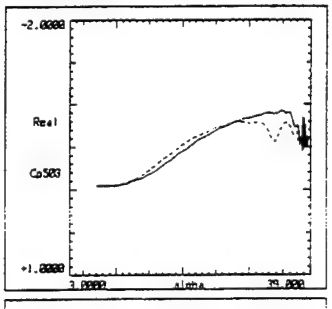


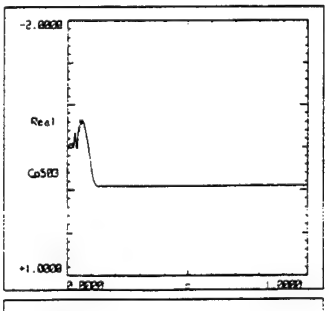


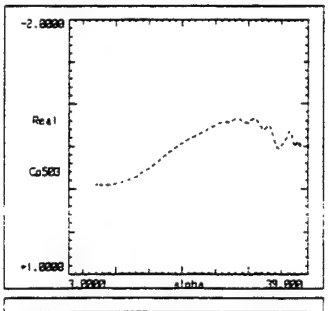


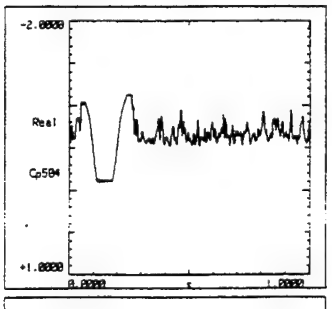


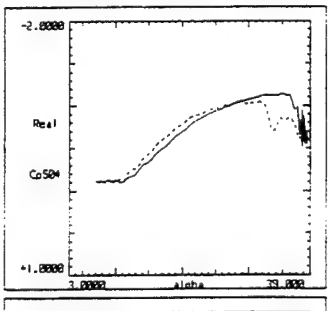


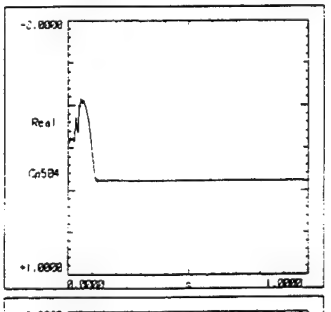


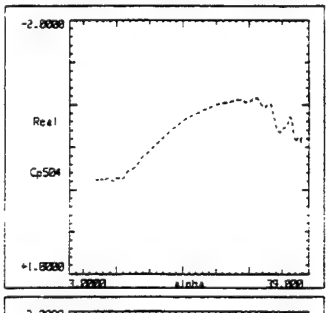


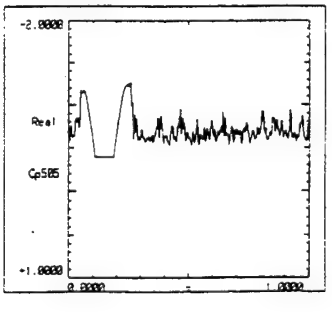


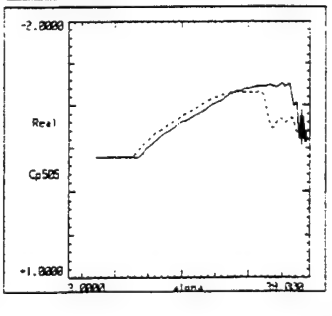


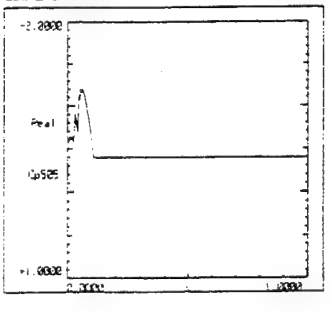


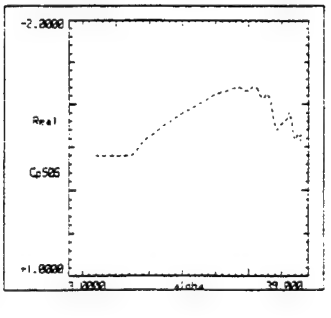










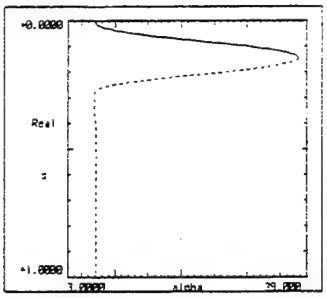


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa



DPN : 656

half (1-cos) input

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freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
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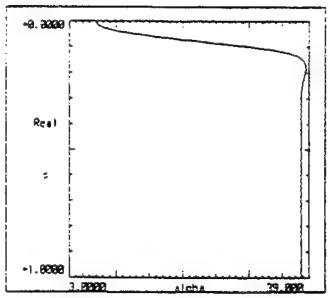
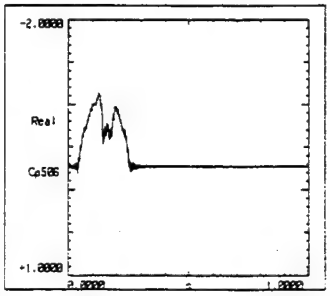
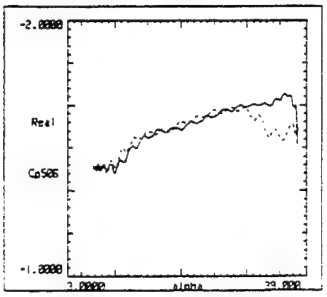
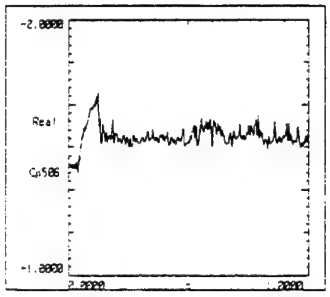
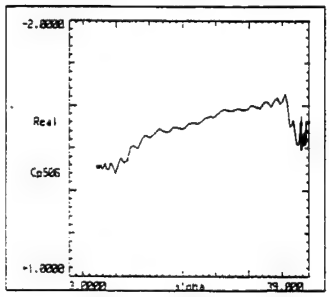
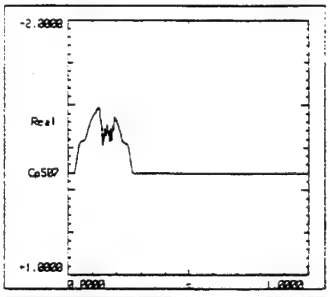


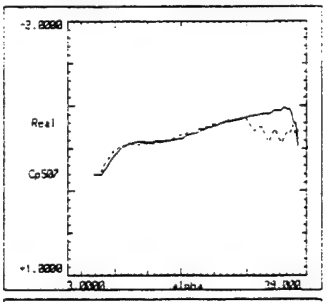


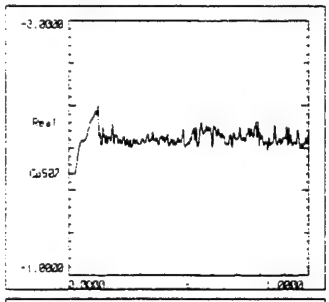


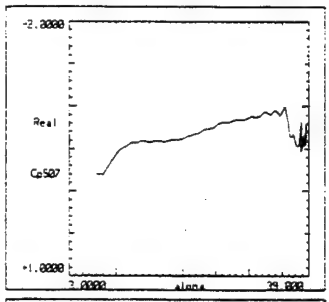


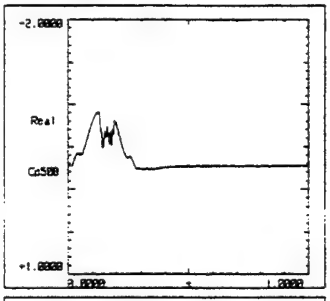


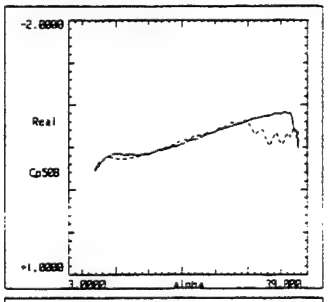


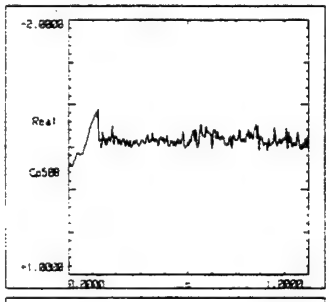


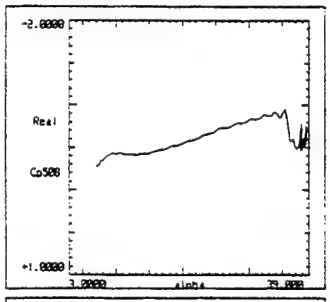


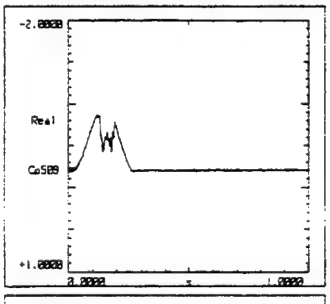


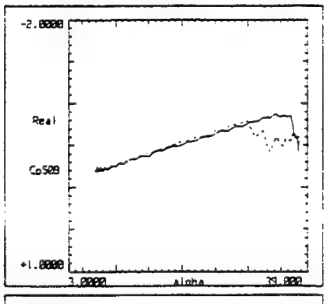


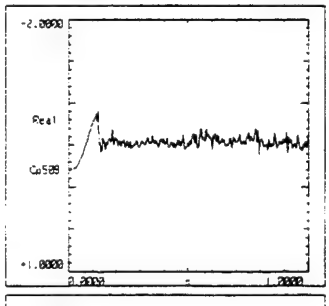


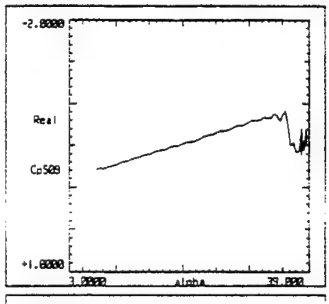


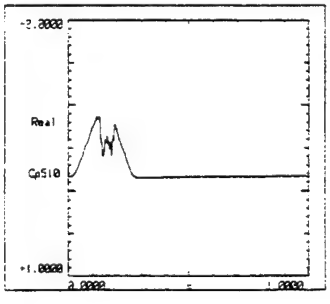


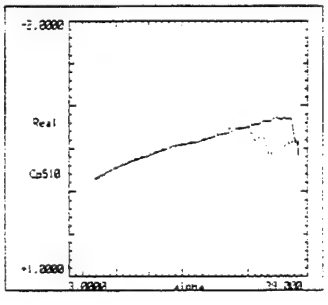


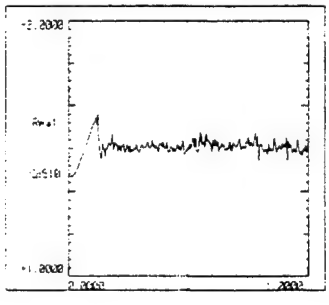


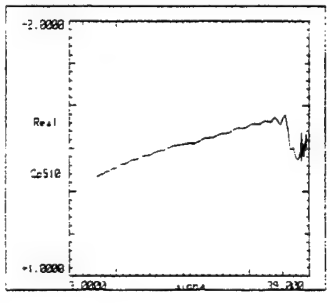










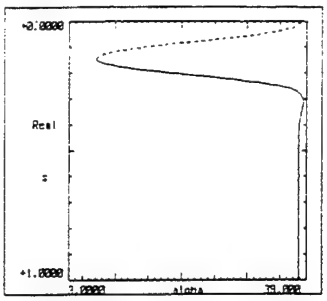


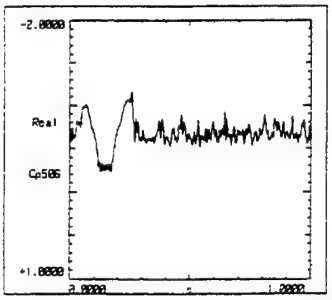
DPN : 656

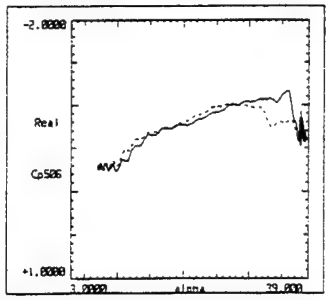
full cos input

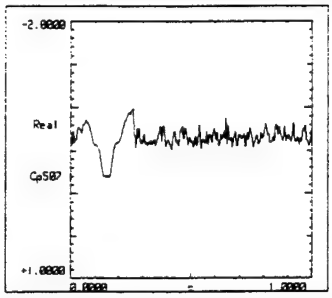
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

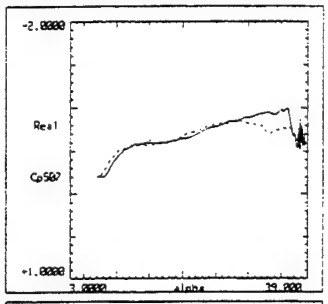
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

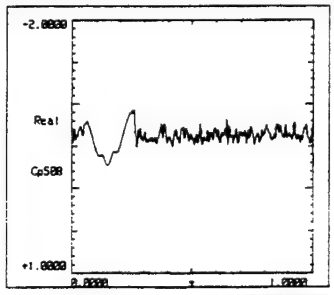


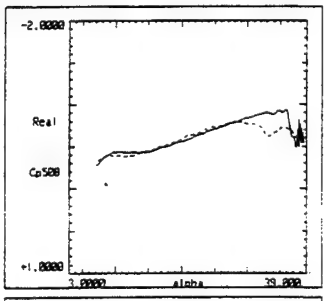


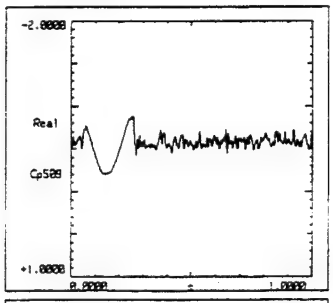


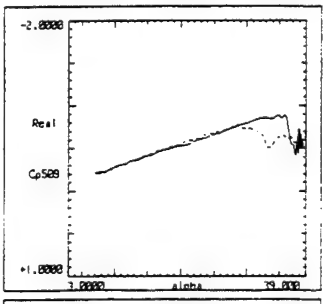


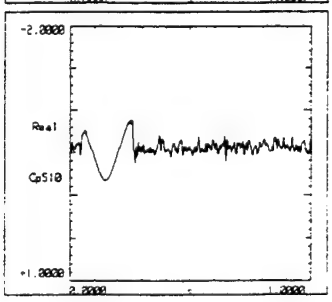


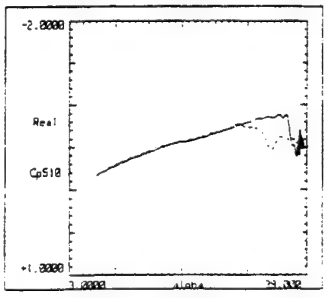










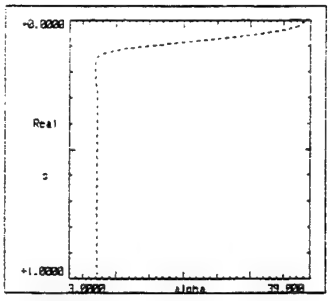


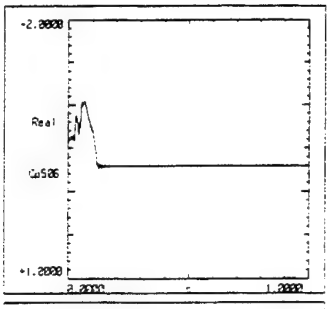
DPN : 656

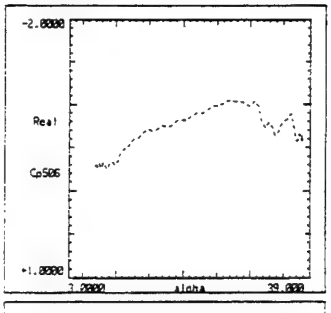
half cos input

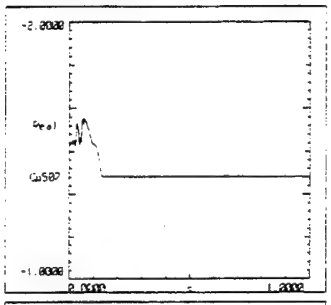
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

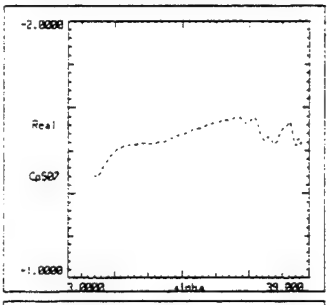
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

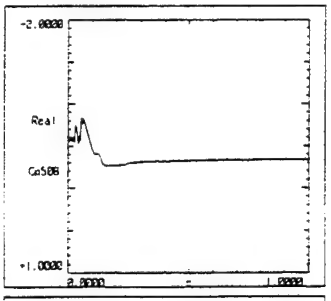


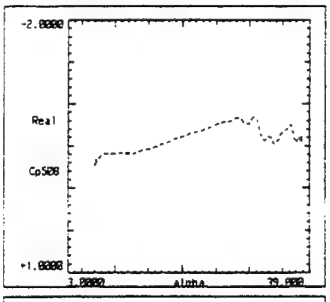


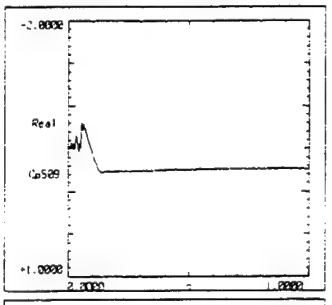


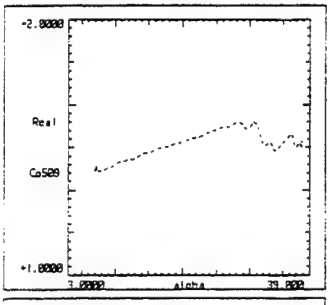


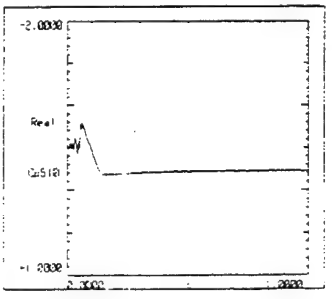


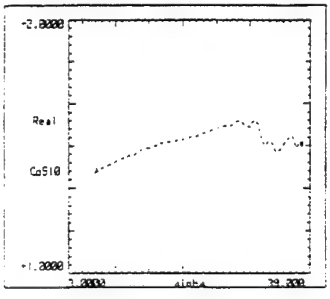










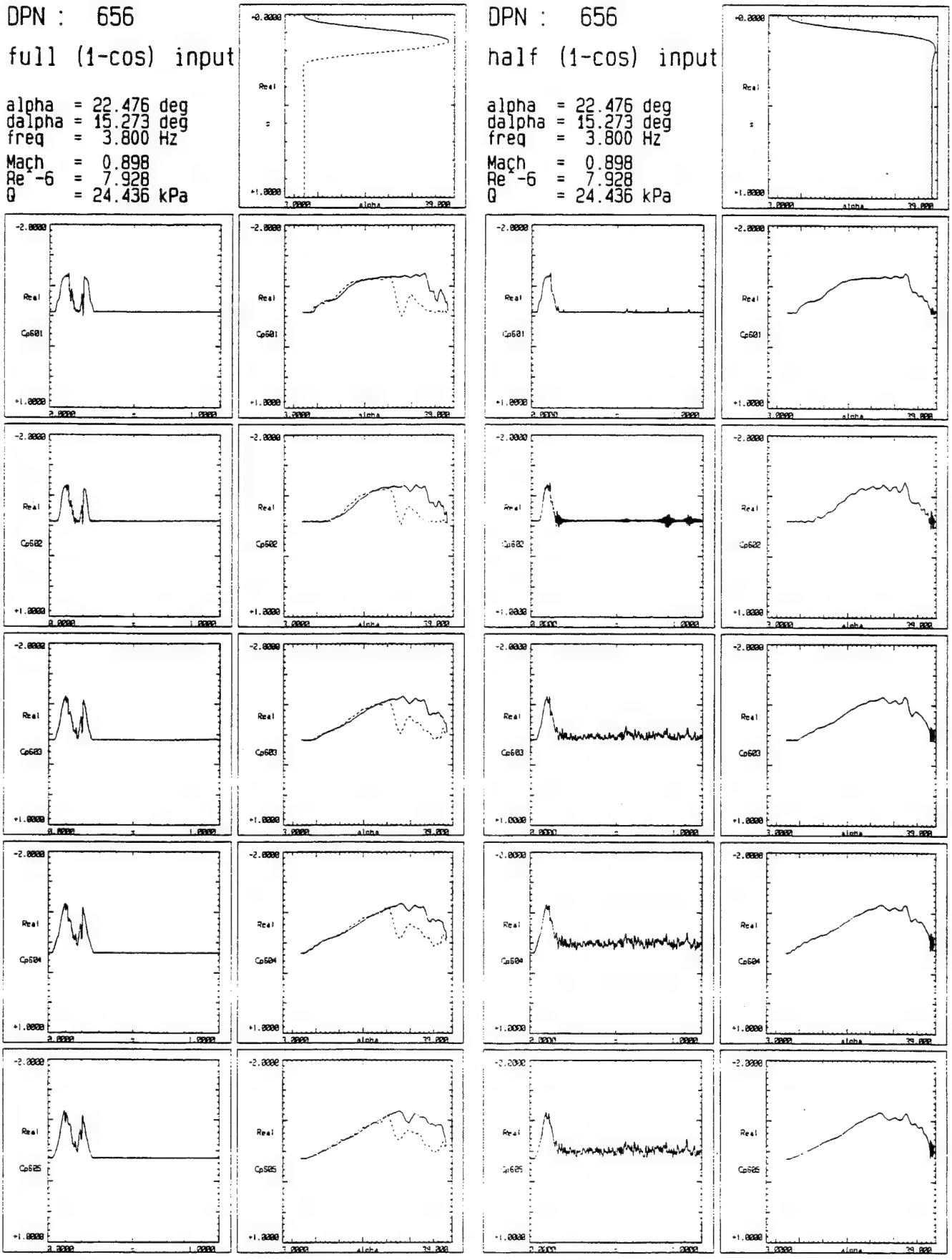


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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Re^-6 = 7.928
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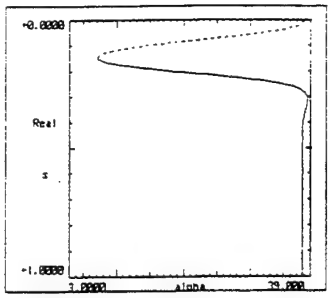
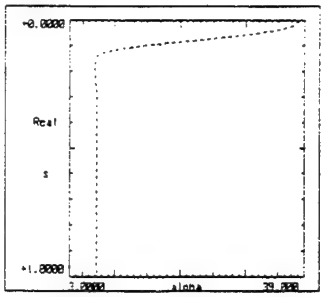


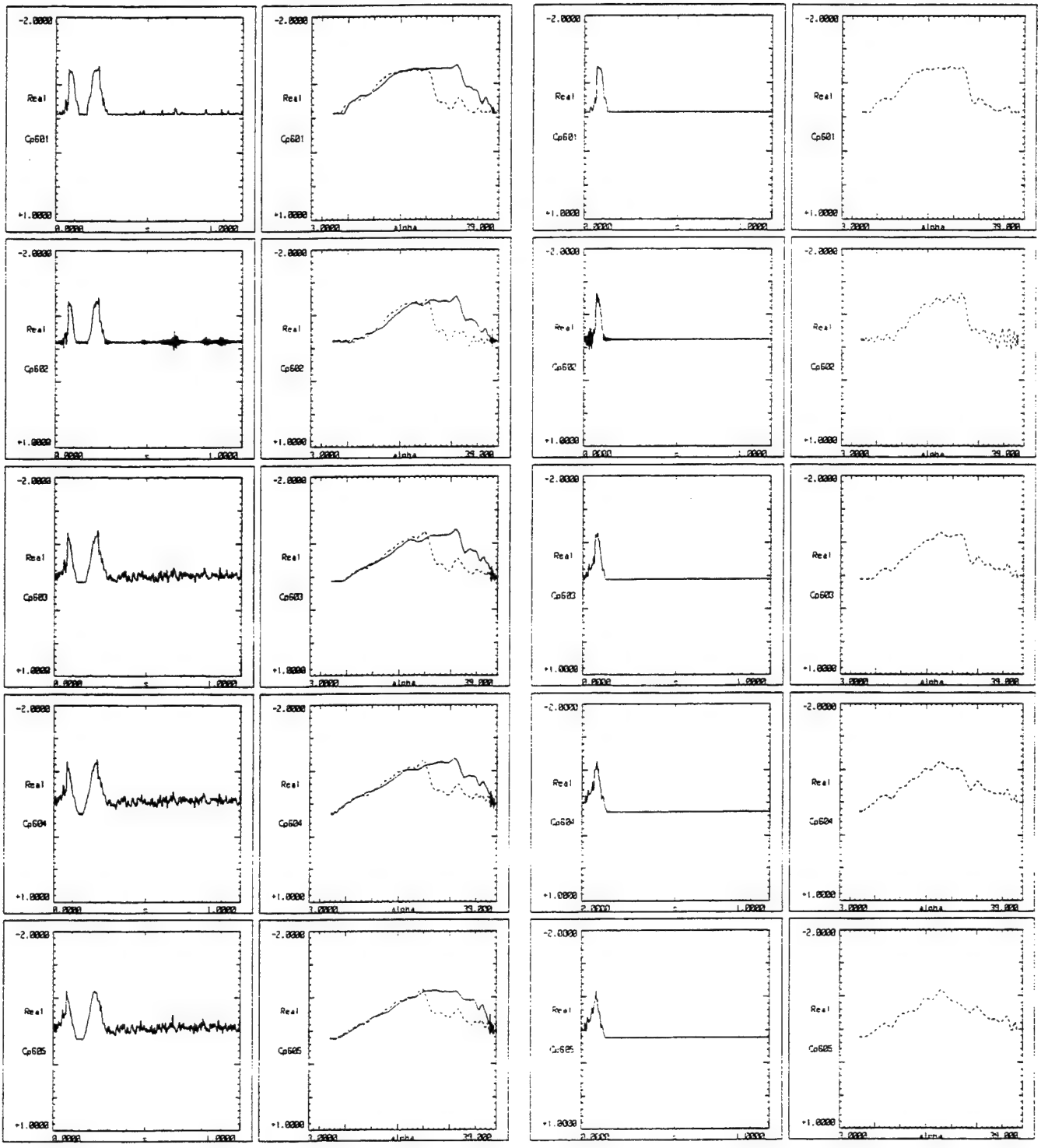
DPN : 656

half cos input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa





DPN : 656

full (1-cos) input

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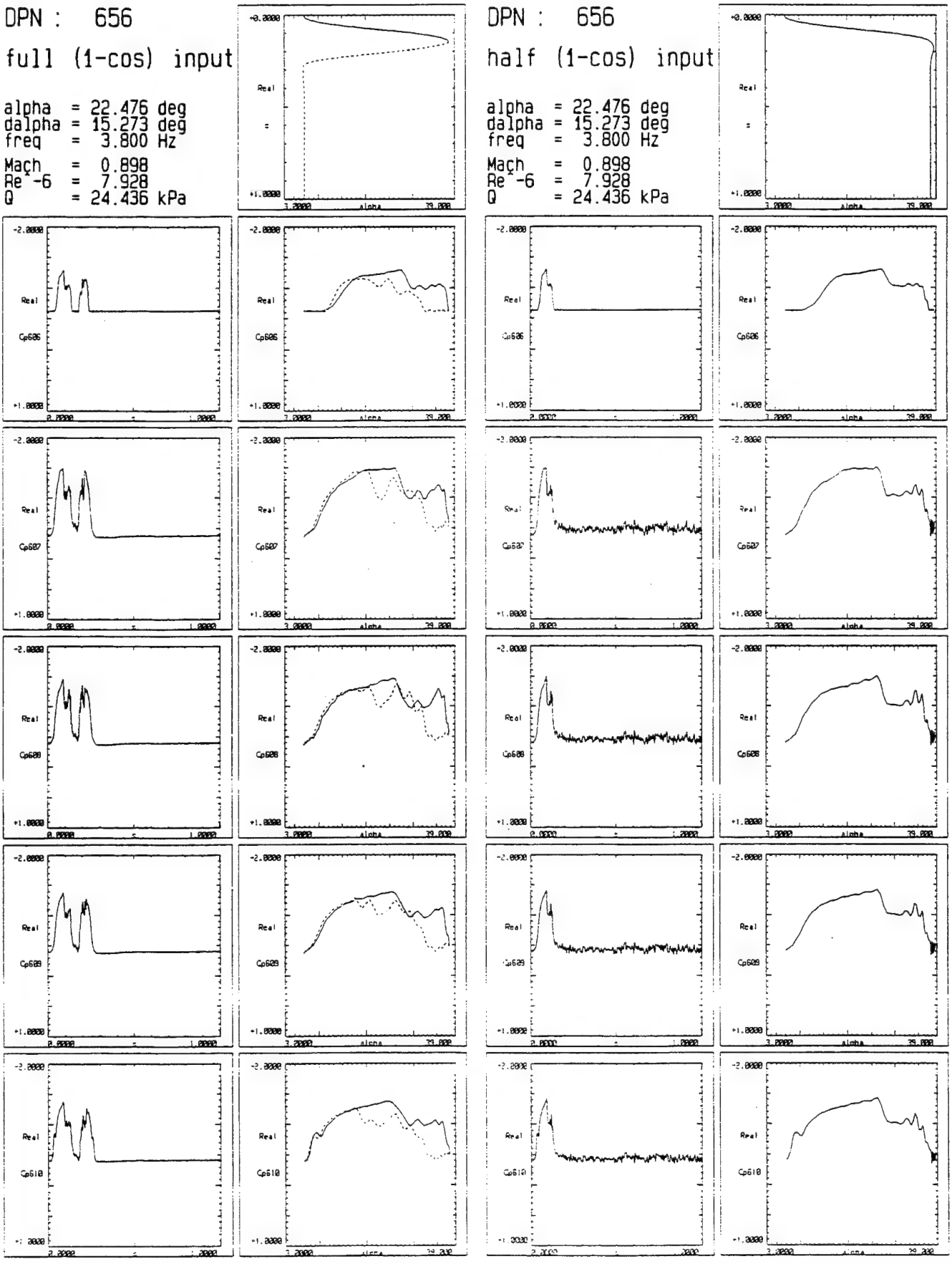
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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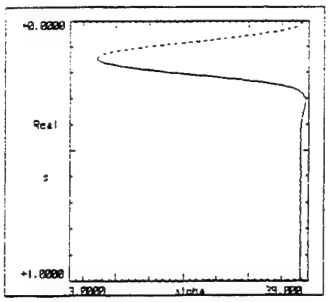

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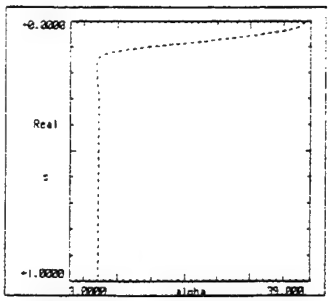

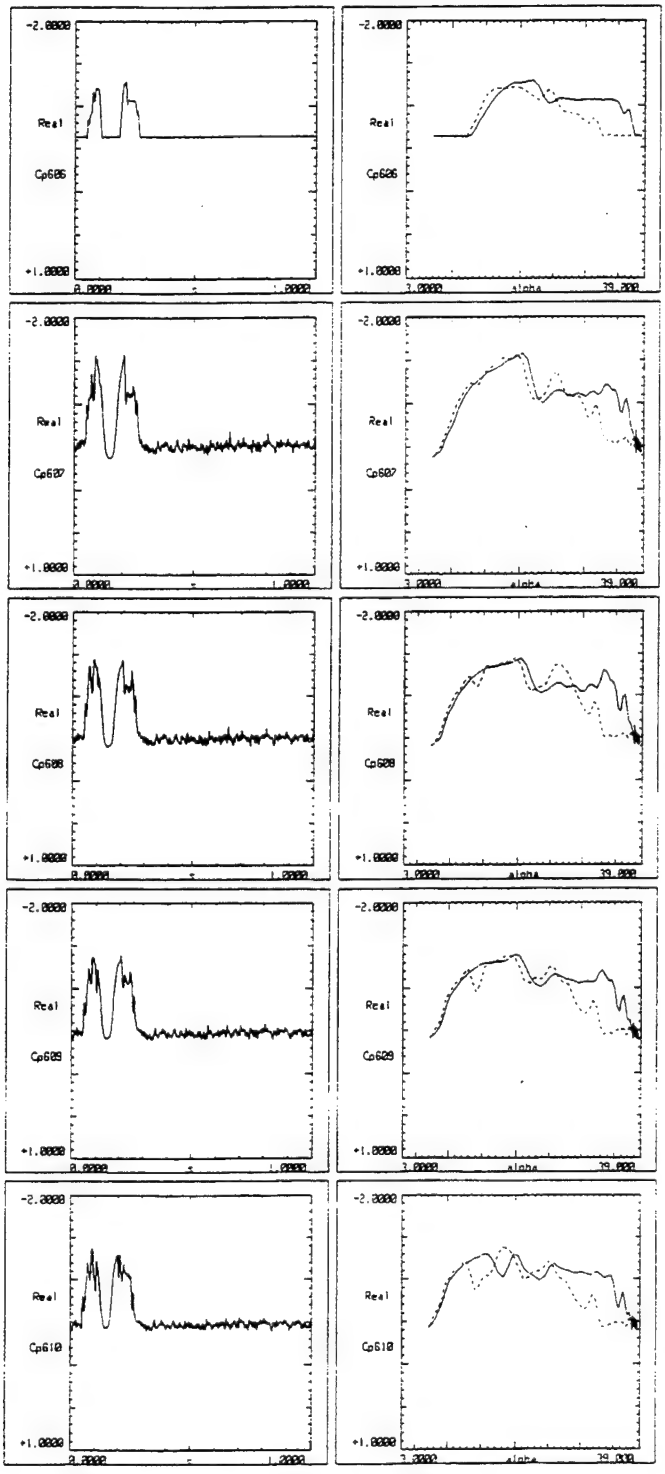

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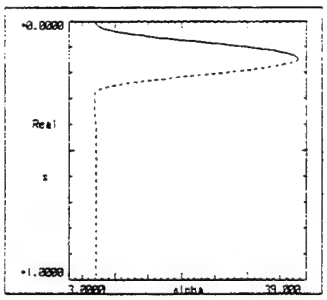

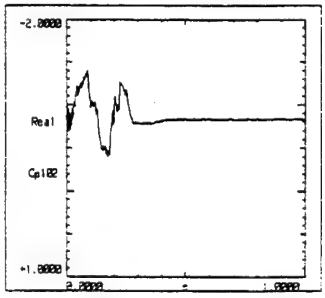

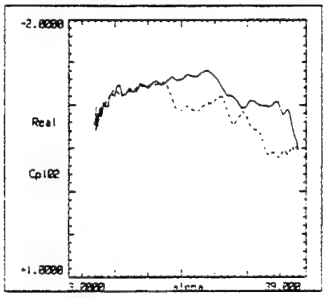

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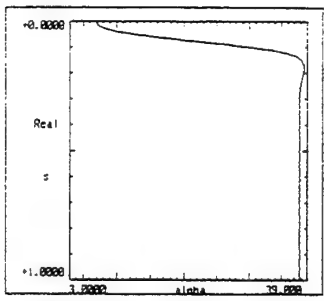

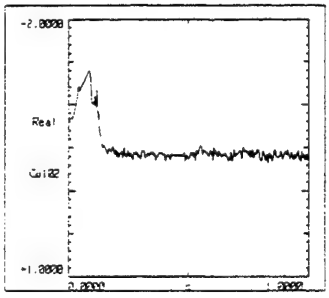

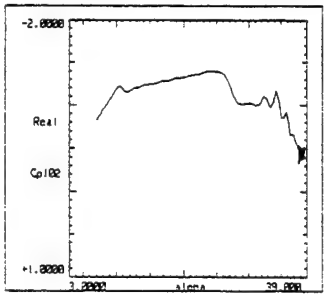

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Re^-6 = 7.928
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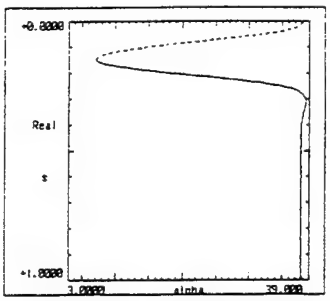

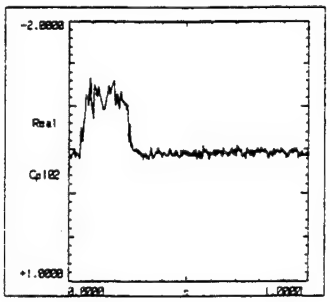

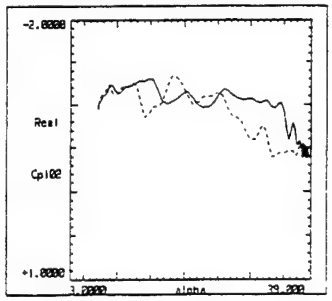

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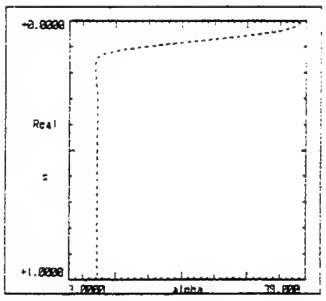

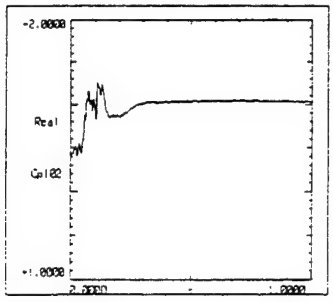

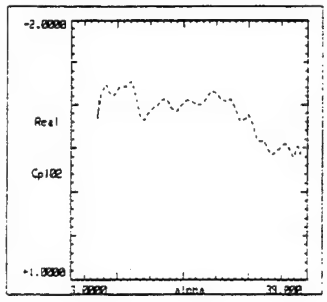

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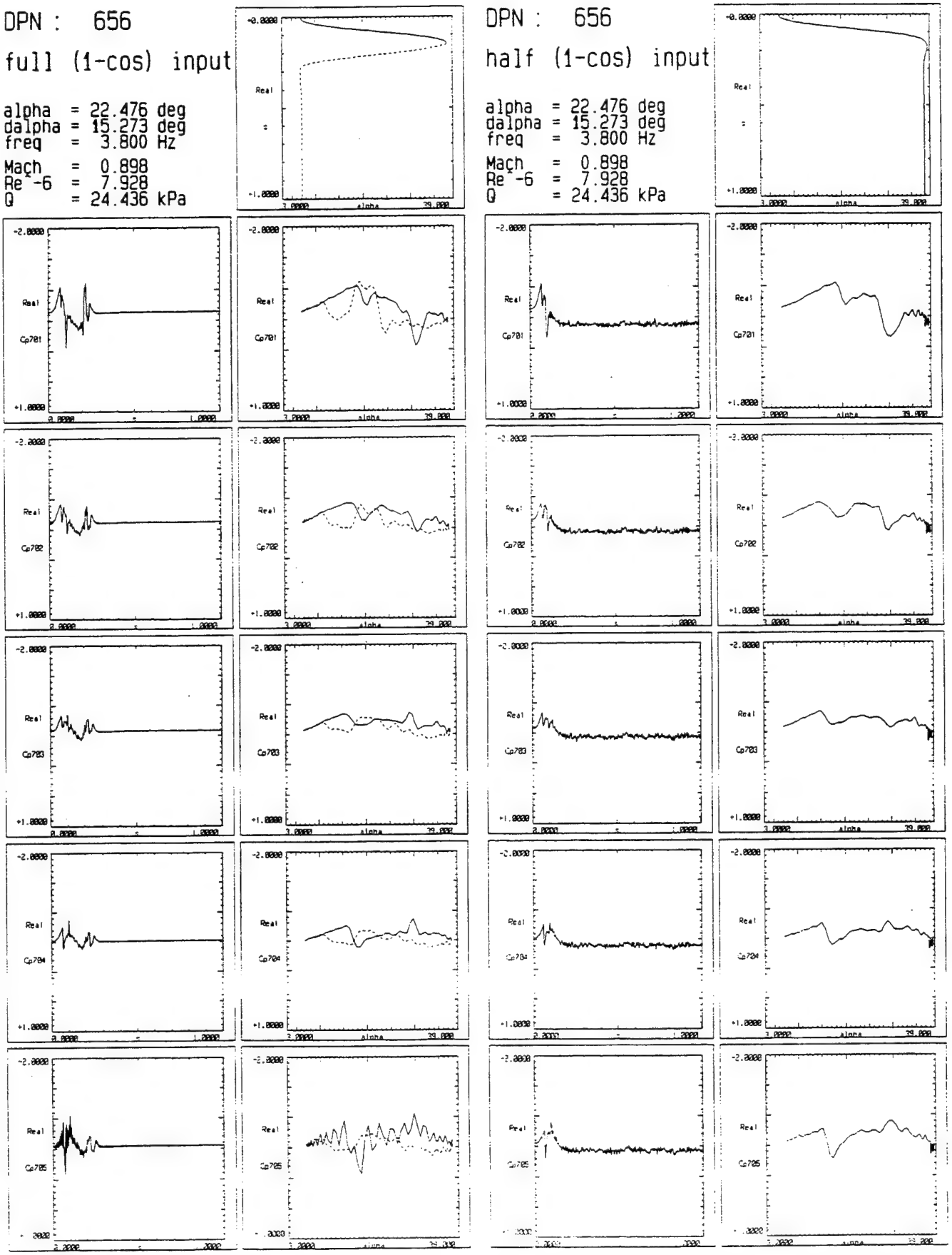

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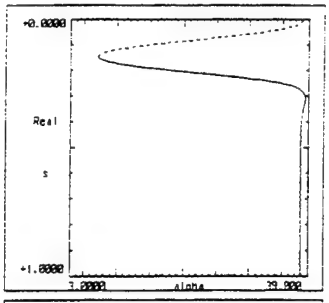

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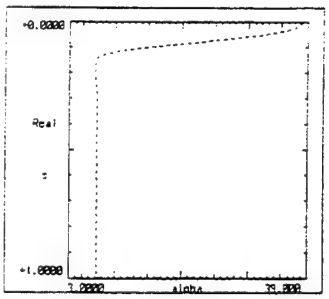

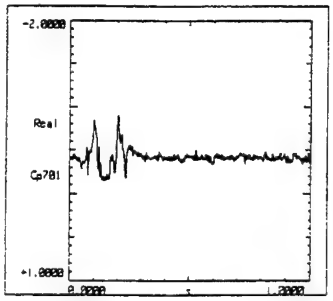

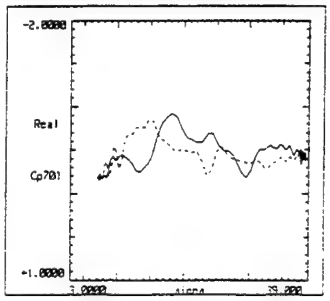

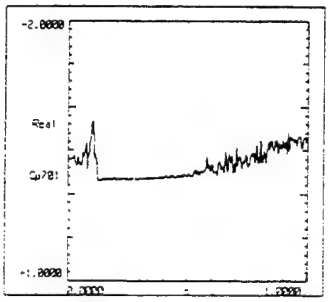

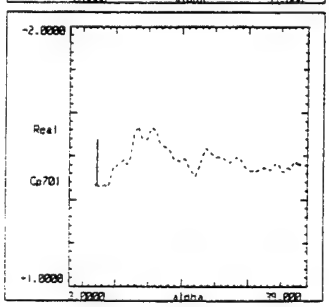

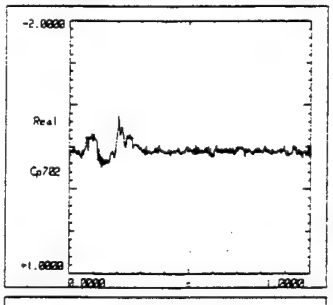

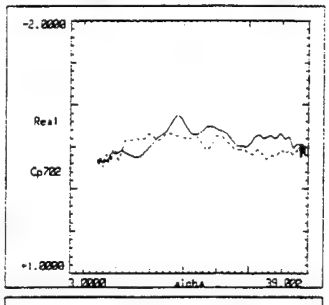

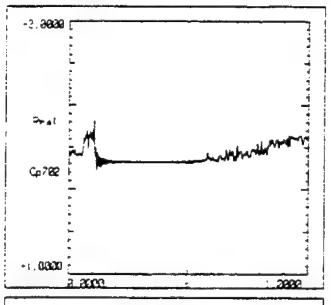

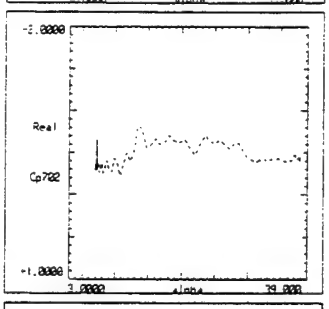

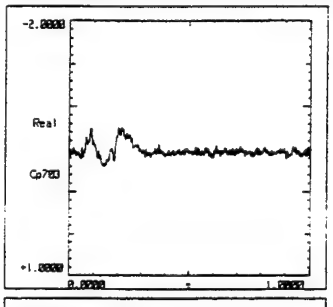

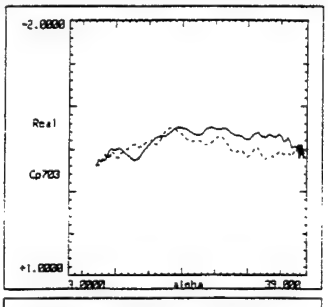

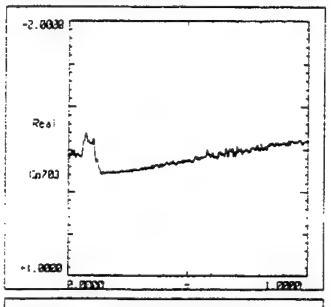

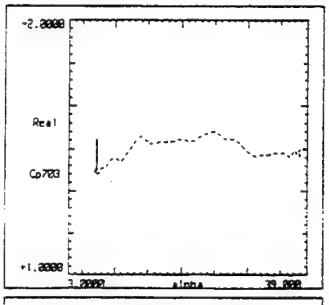

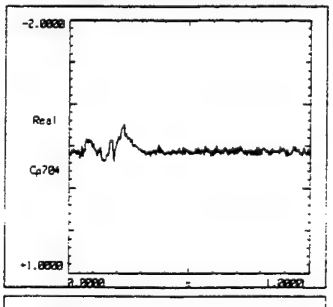

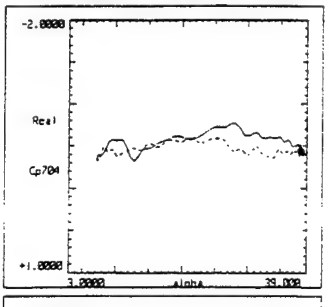

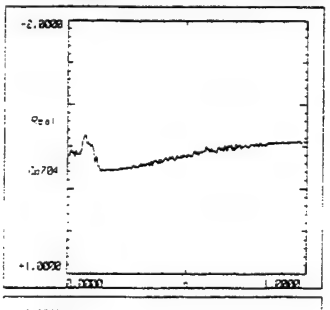

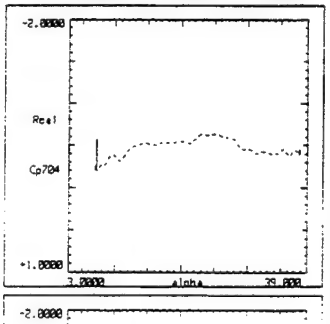

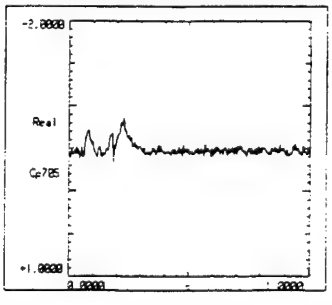

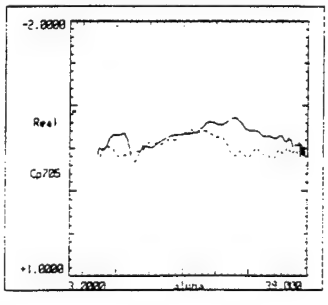

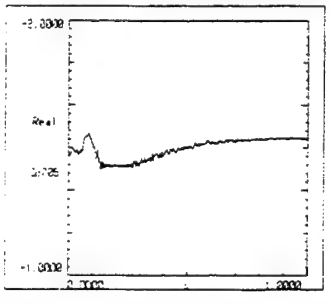

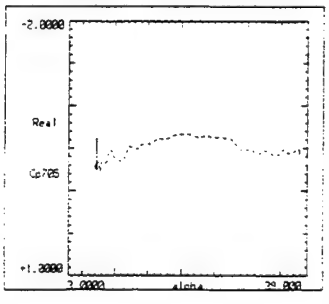

DPN : 656

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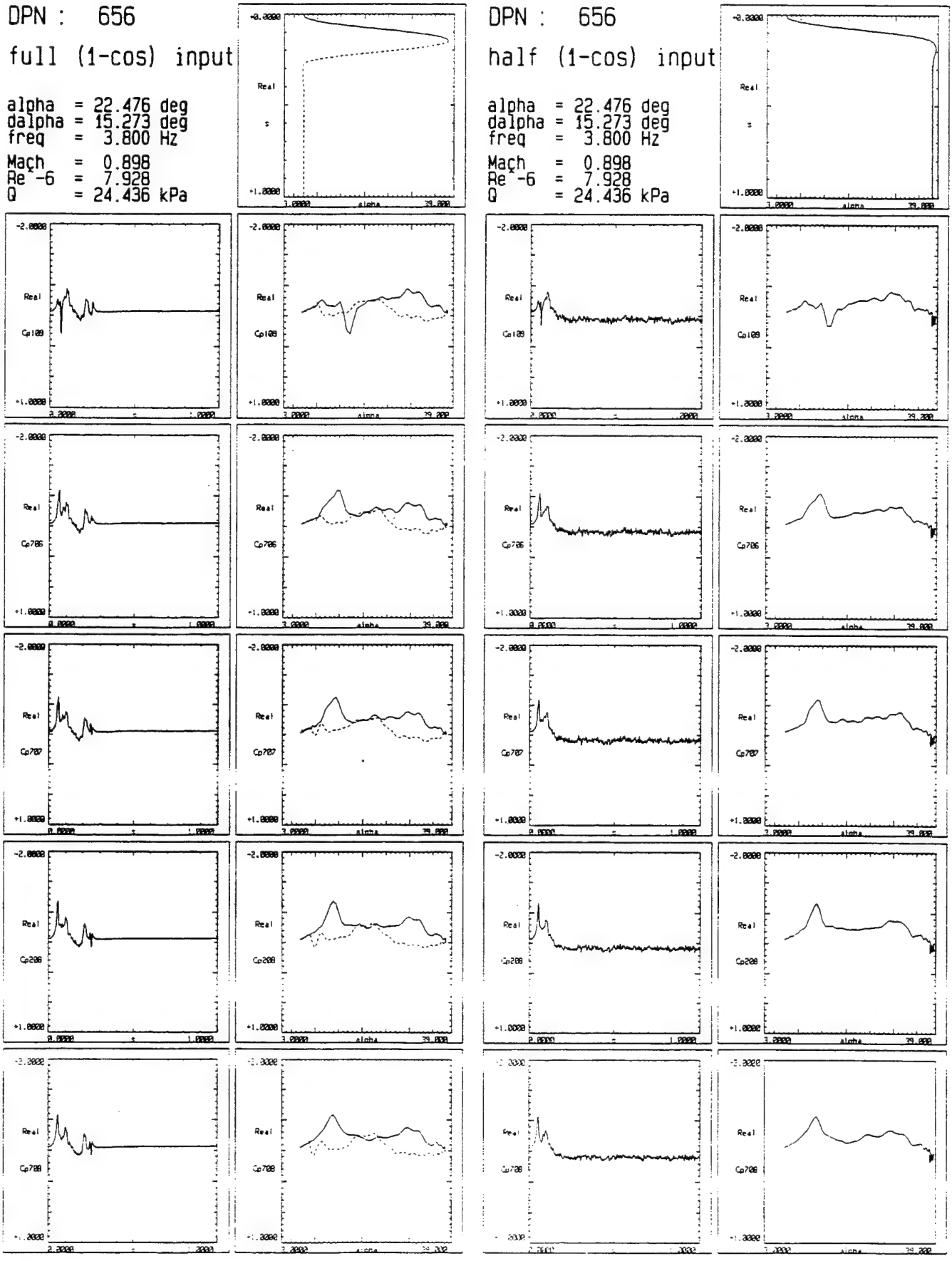
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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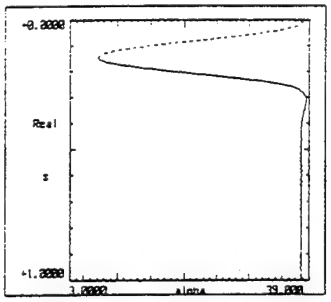

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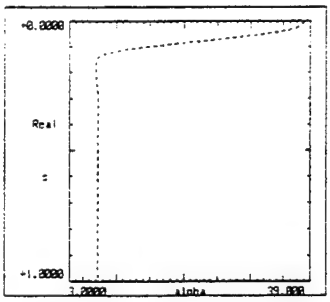
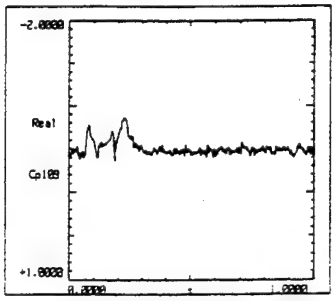
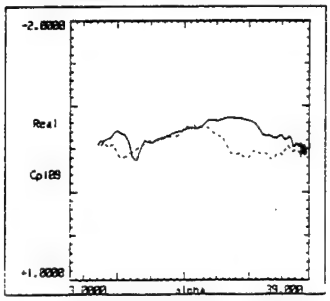
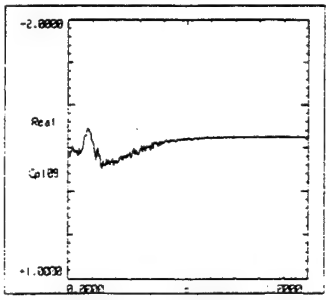
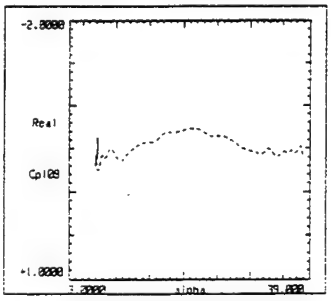
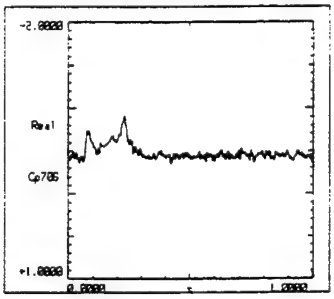


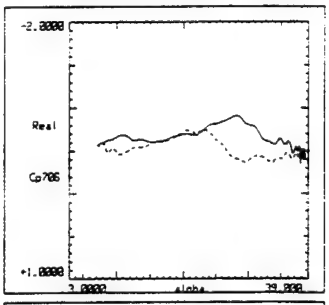


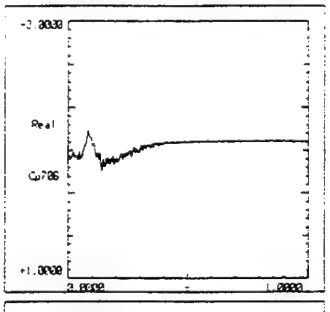


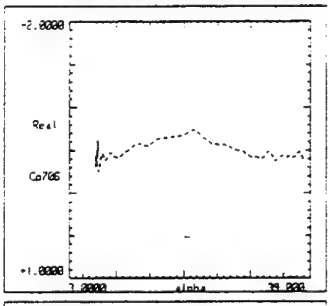


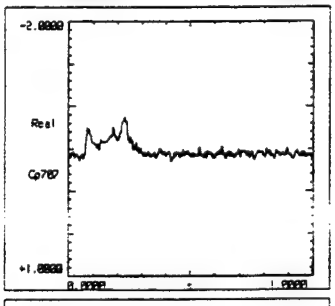


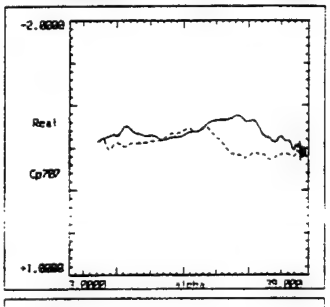


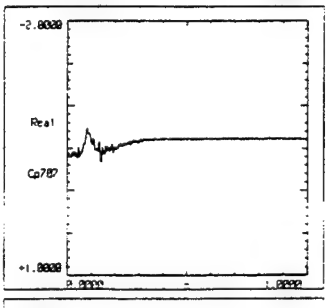


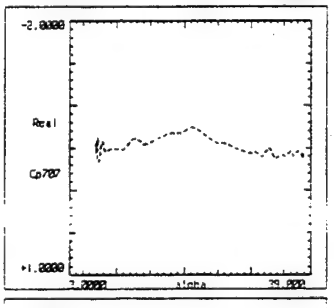


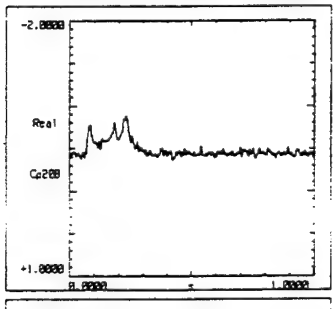


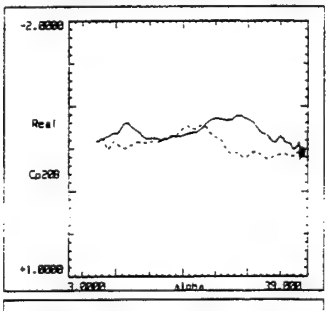


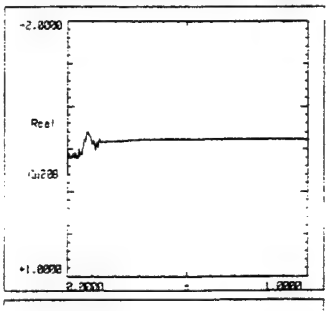


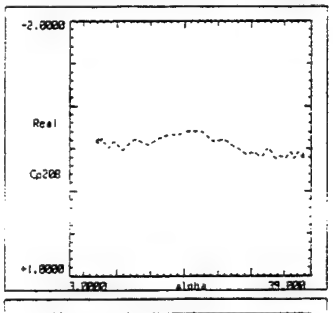


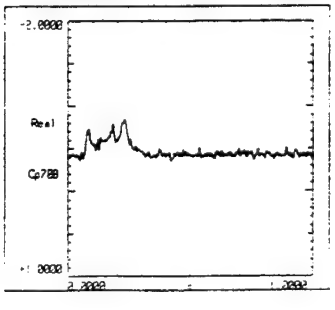


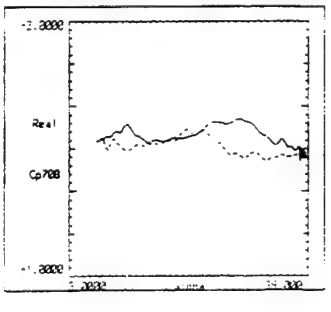


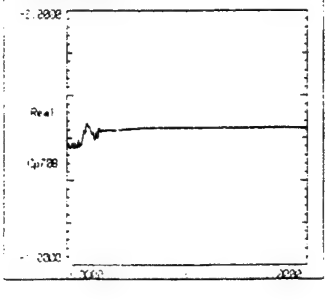


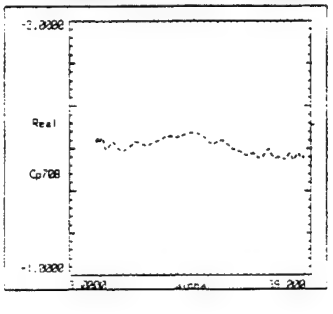










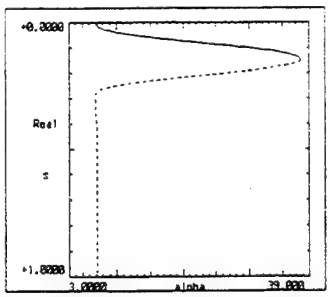


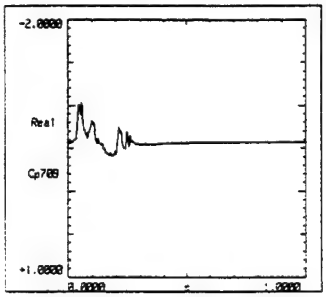
DPN : 656

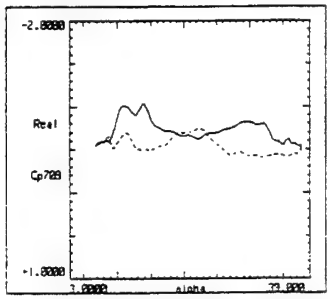
full (1-cos) input

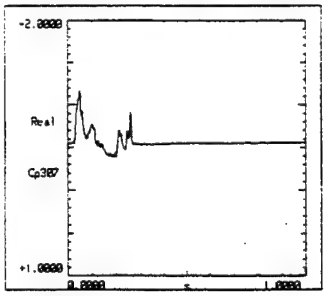
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

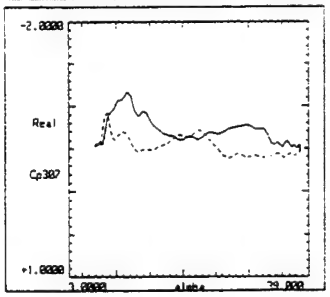
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

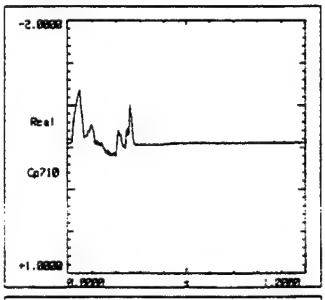


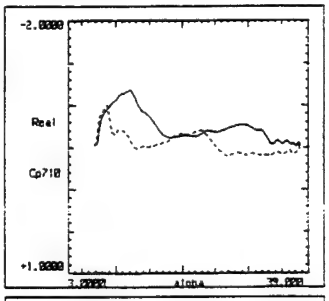


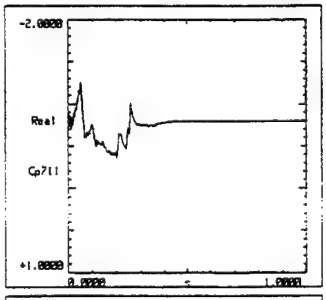


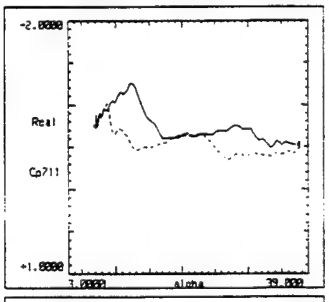


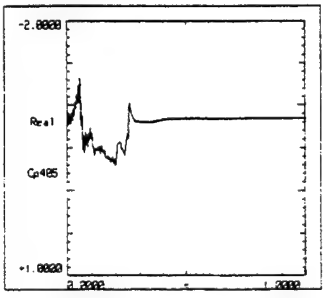


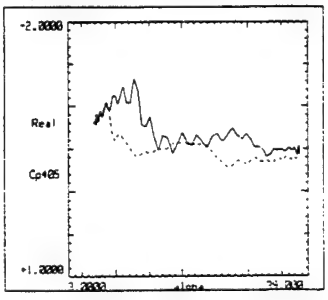










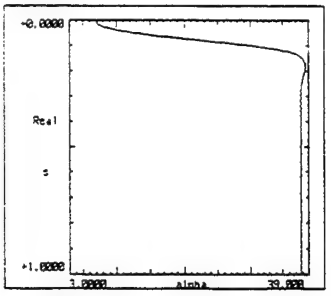


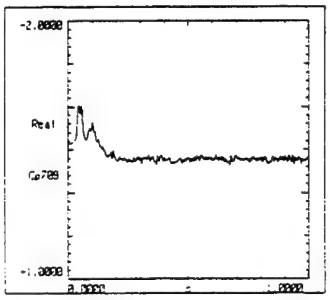
DPN : 656

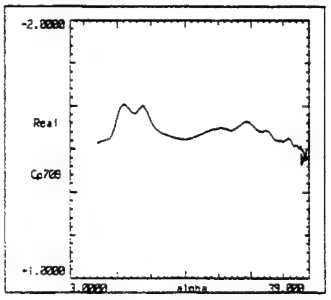
half (1-cos) input

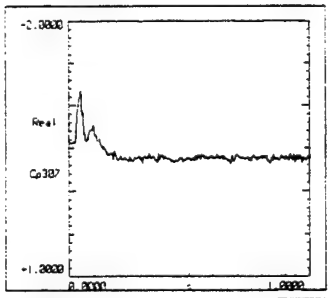
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

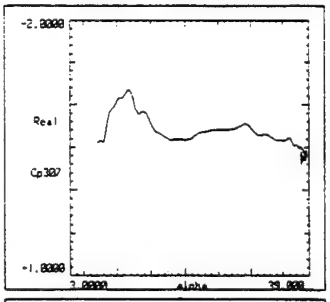
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

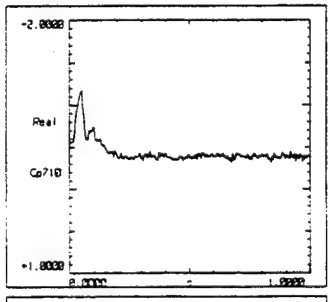


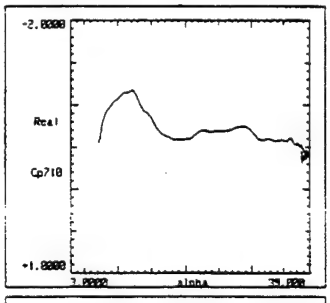


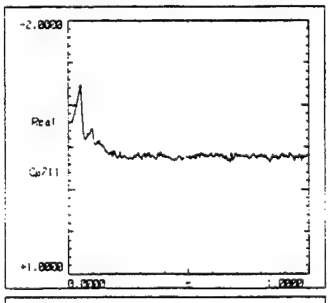


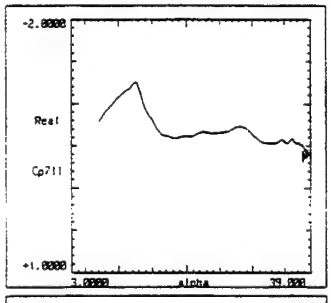


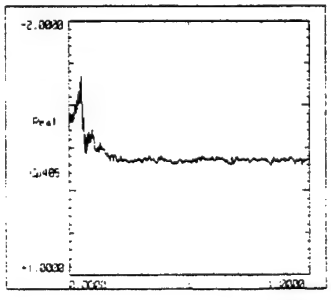


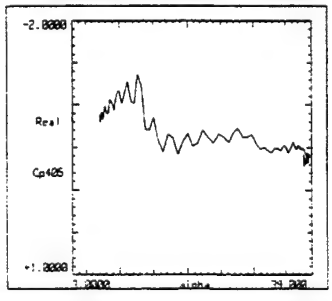










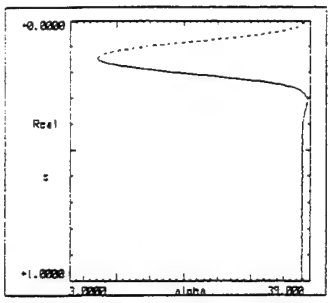


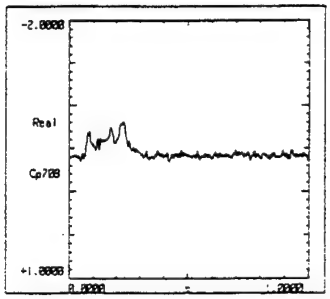
DPN : 656

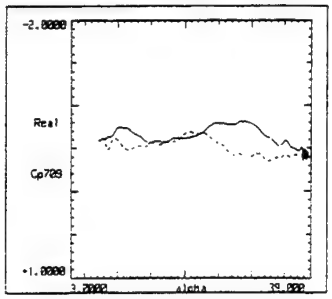
full cos input

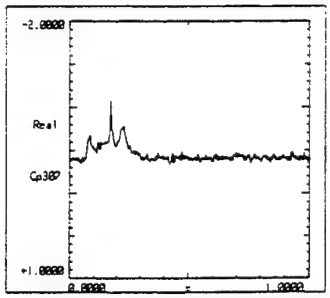
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

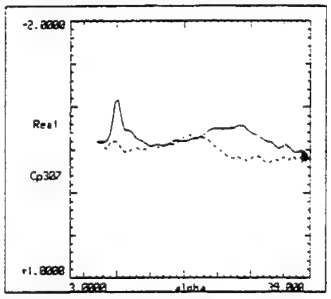
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

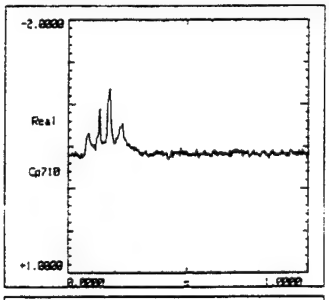


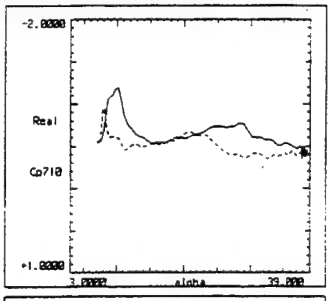


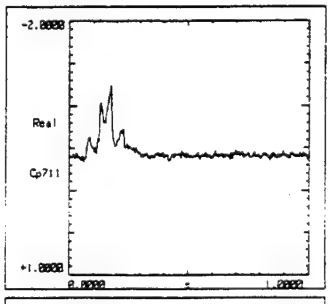


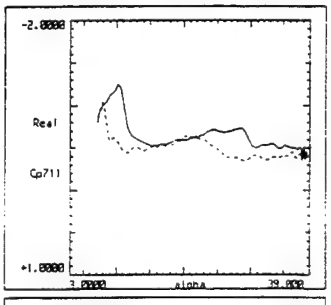


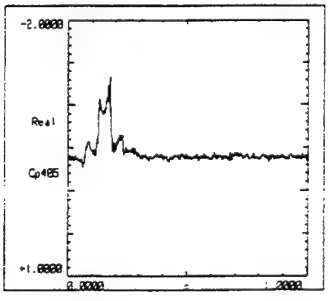


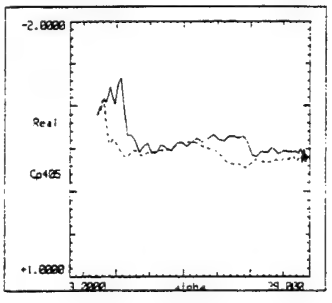










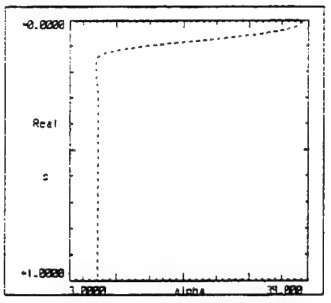


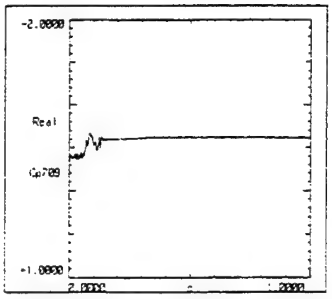
DPN : 656

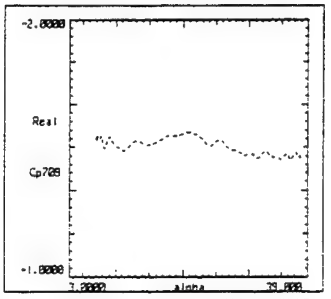
half cos input

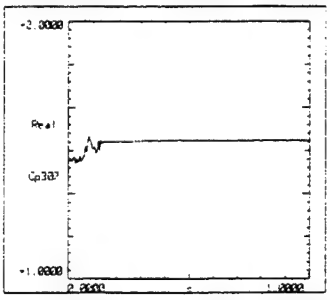
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

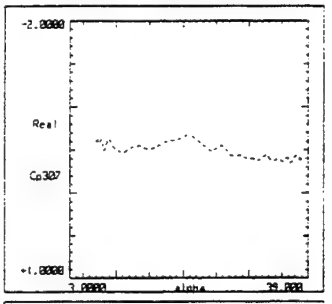
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

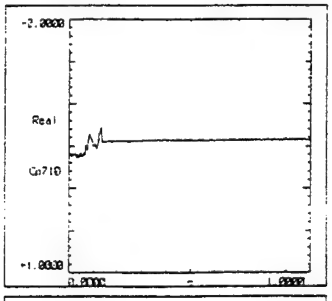


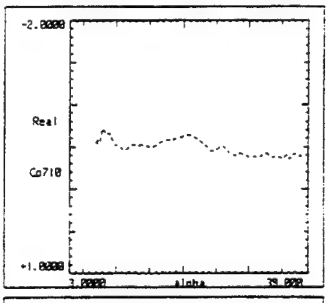


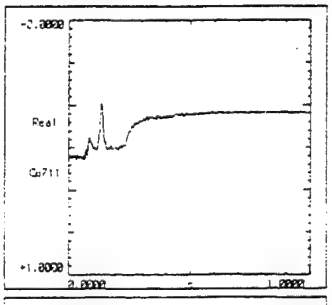


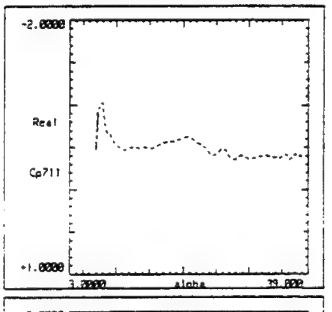


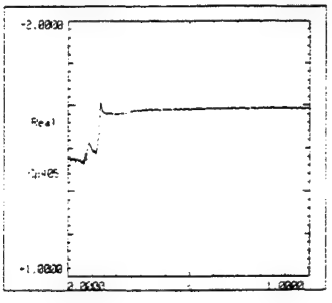


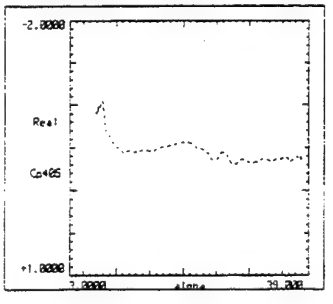










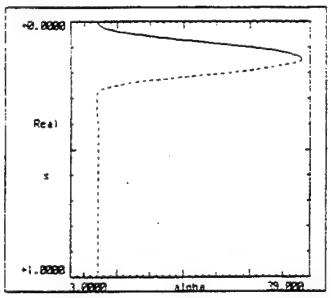


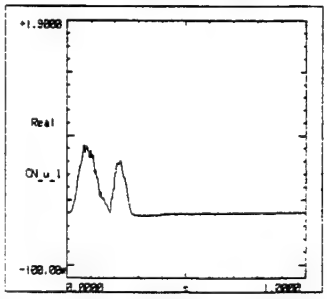
DPN : 656

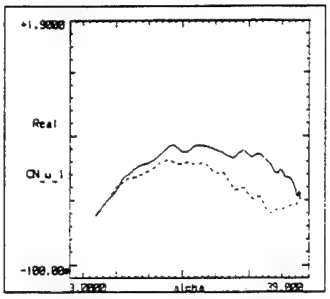
full (1-cos) input

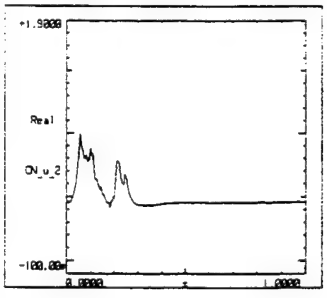
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

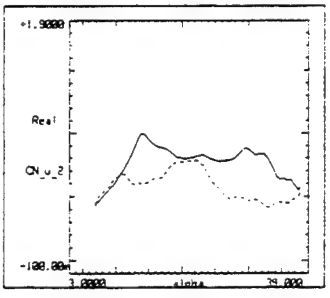
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa









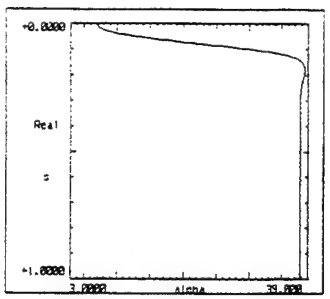


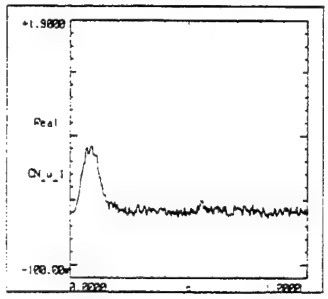
DPN : 656

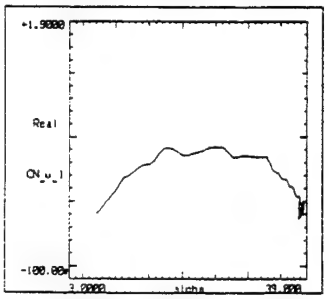
half (1-cos) input

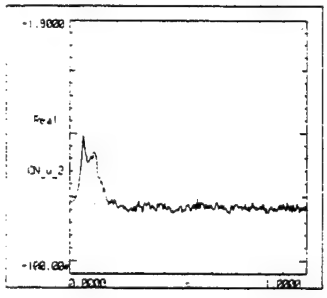
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

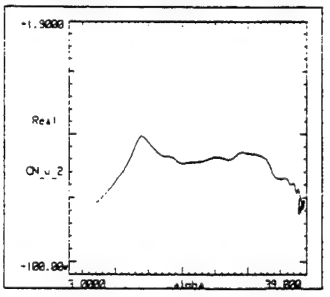
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa











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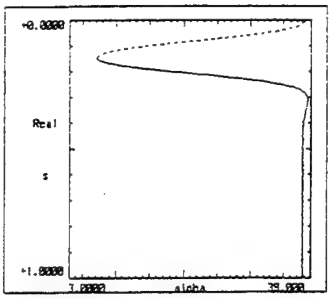

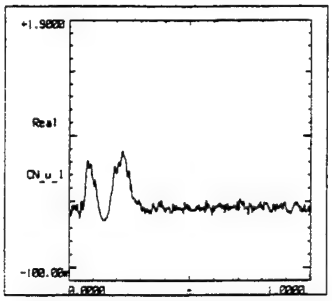

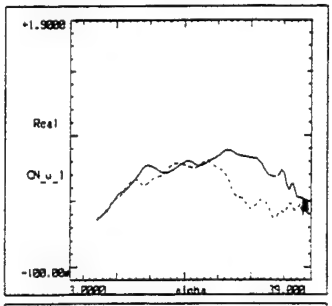

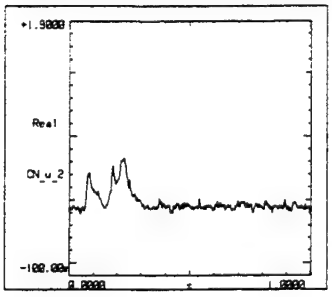

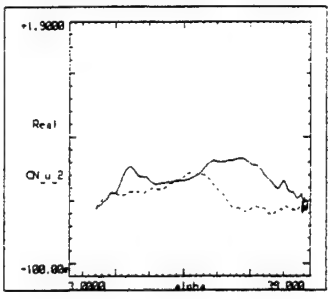

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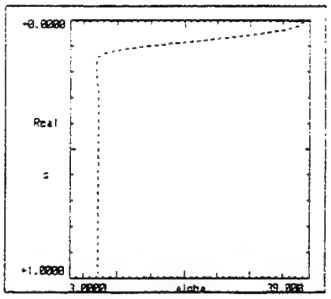

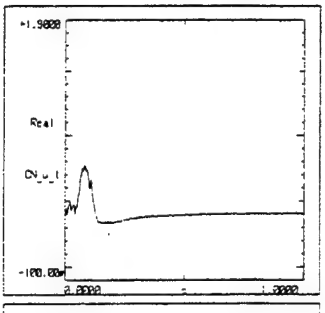

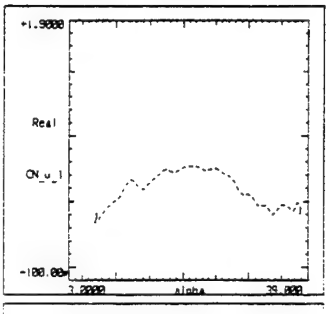

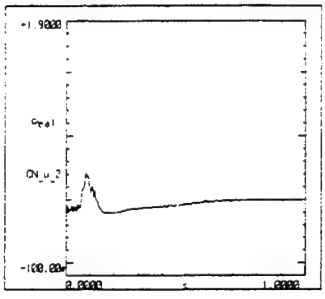

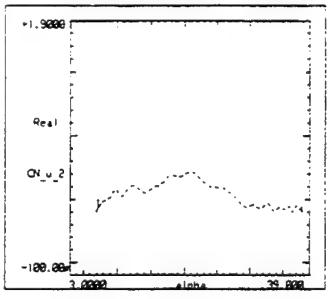

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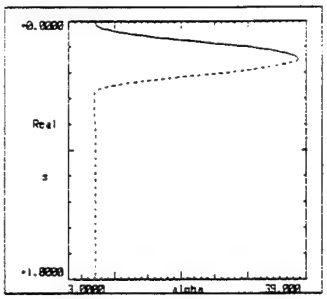

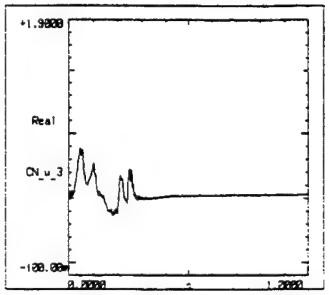

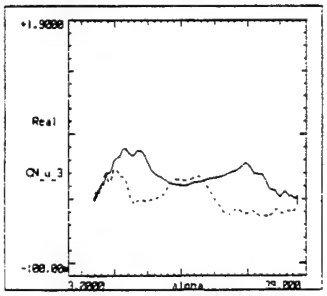

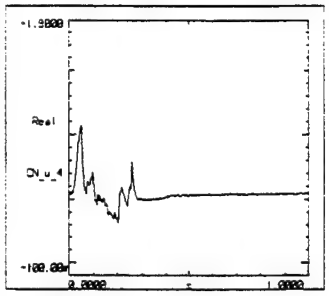

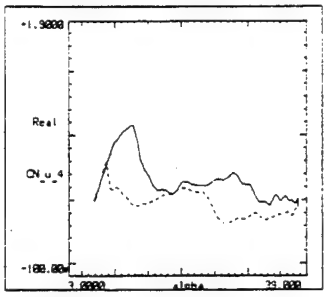

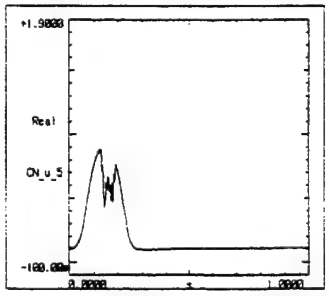

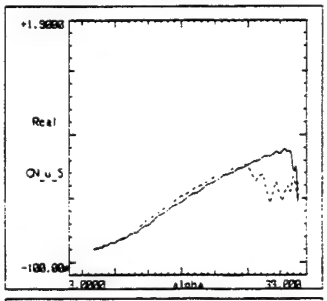

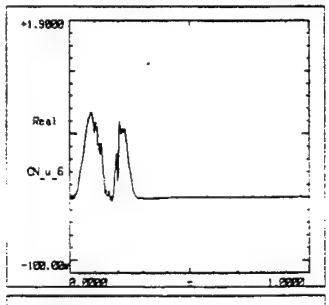

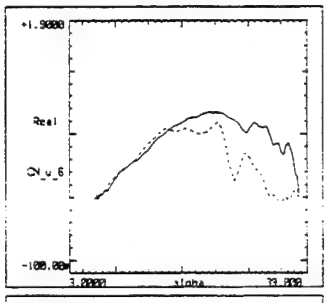

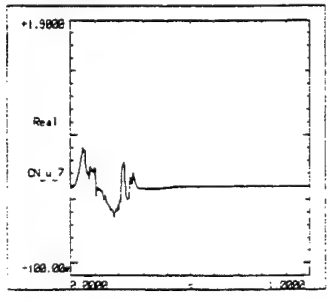

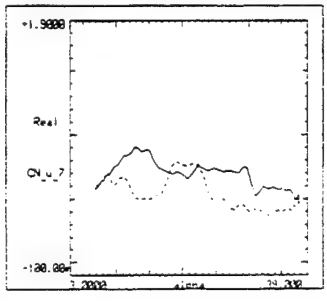

DPN : 656

half (1-cos) input

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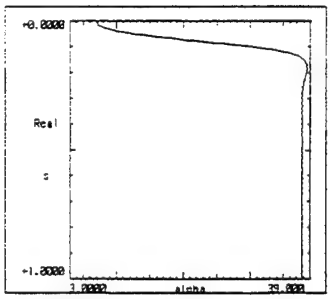

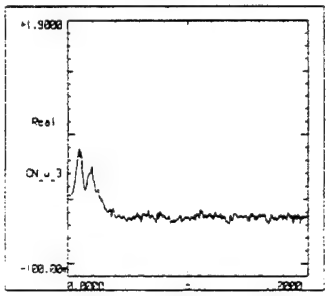

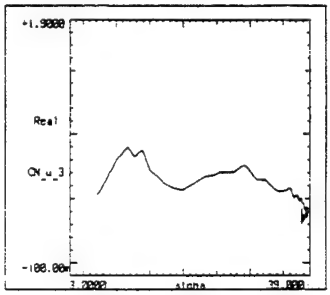

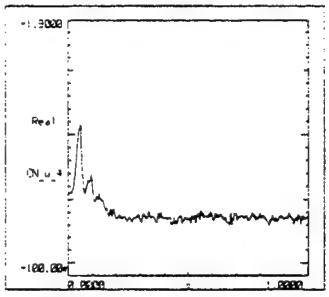

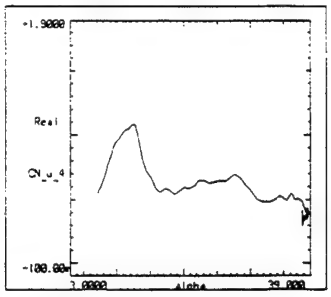

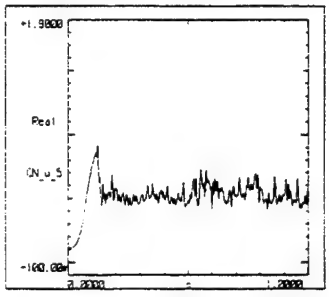

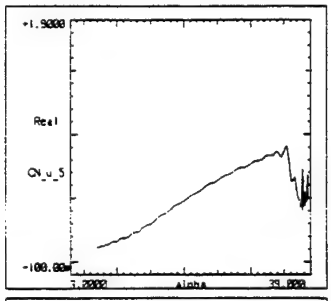

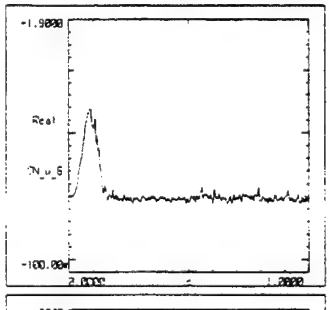

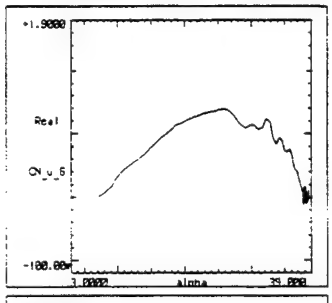

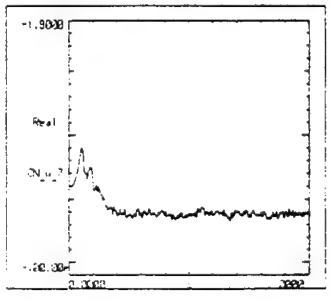

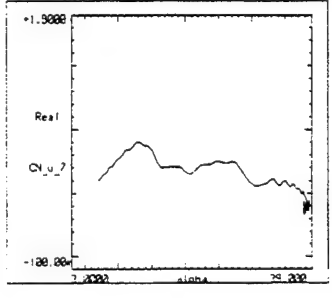

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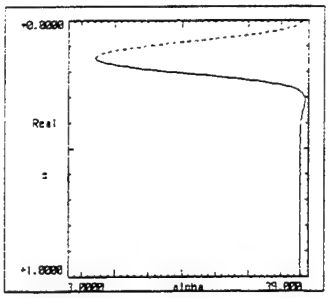

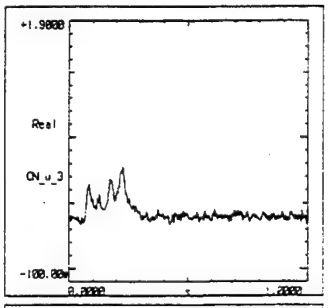

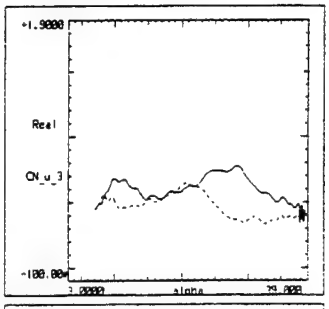

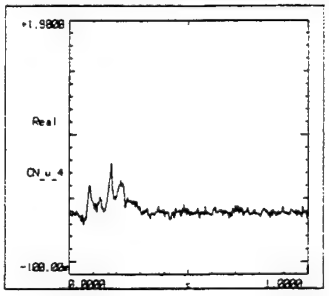

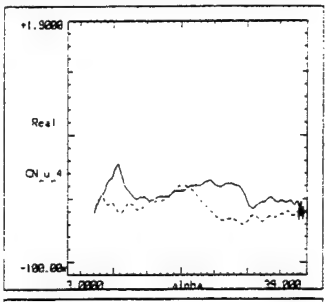

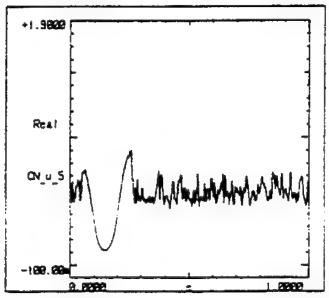

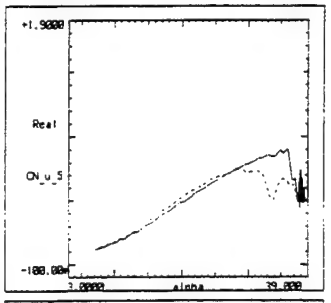

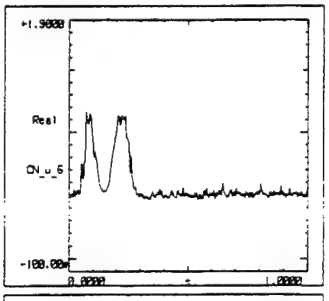

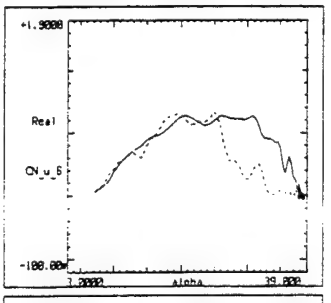

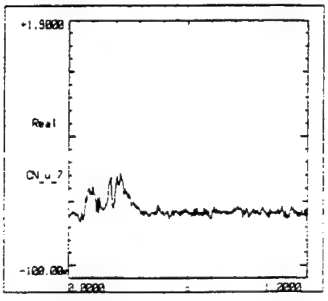

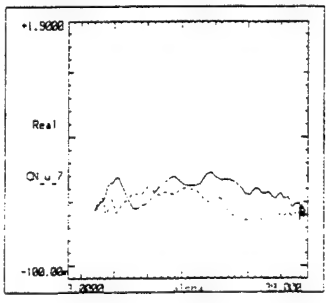

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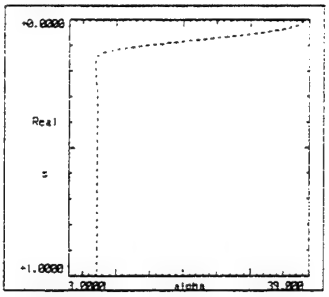
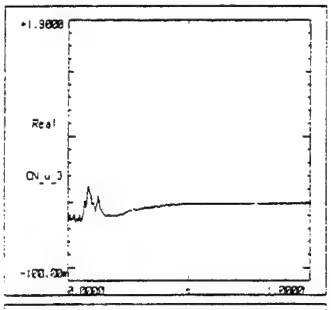
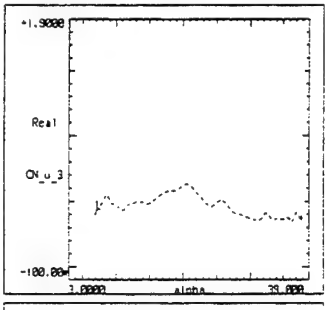
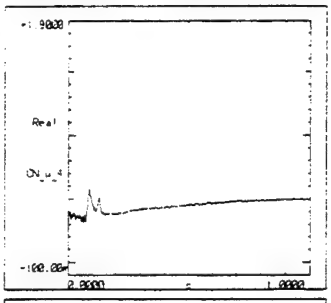
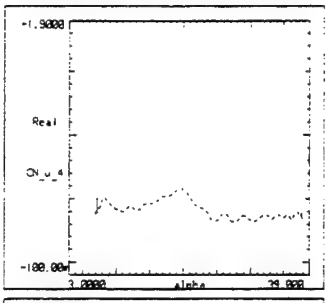
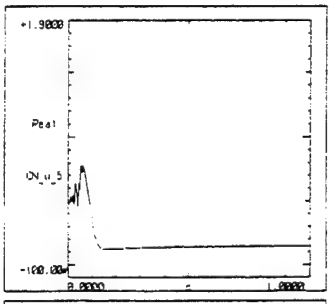


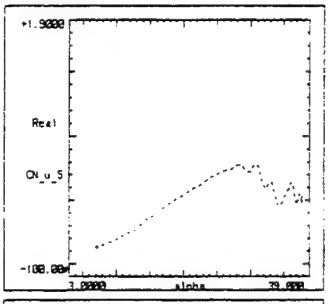


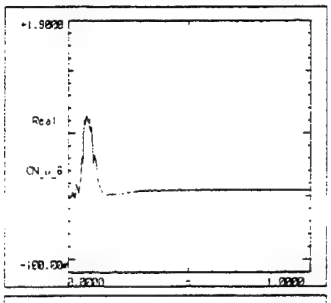


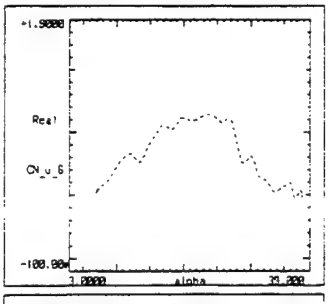


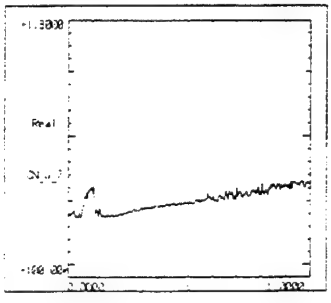


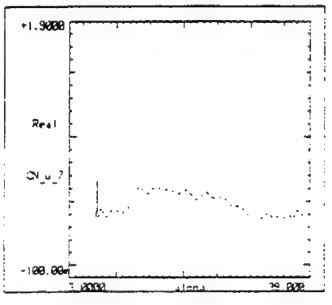










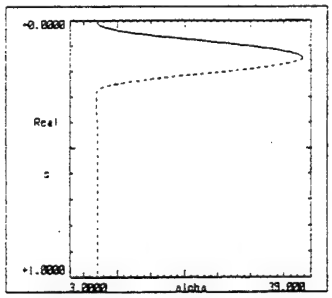


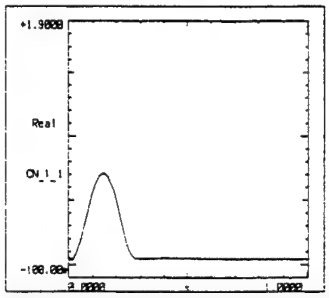
DPN : 656

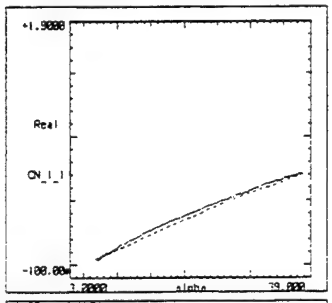
full (1-cos) input

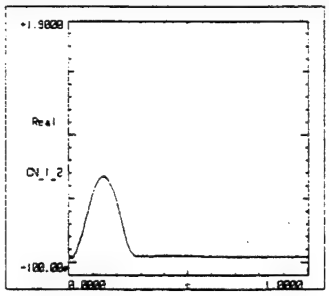
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

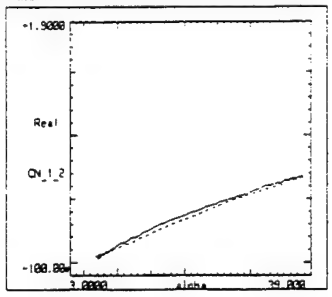
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa









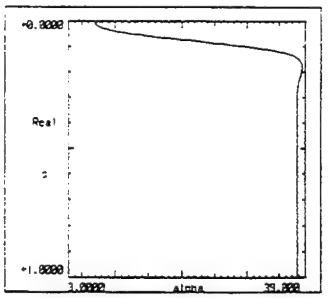


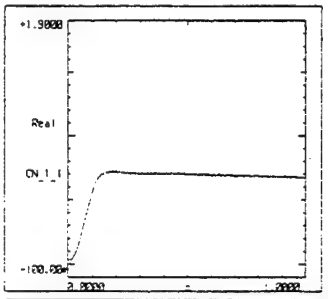
DPN : 656

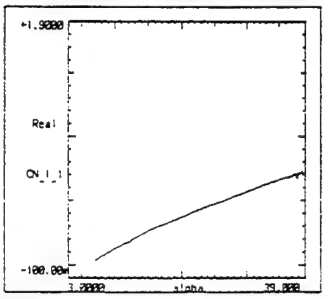
half (1-cos) input

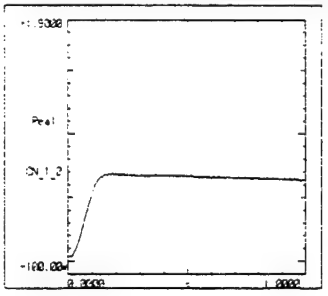
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

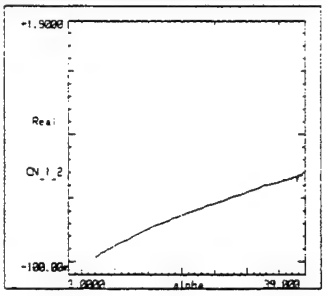
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa

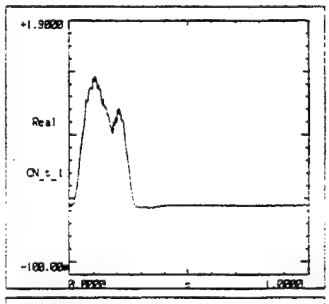


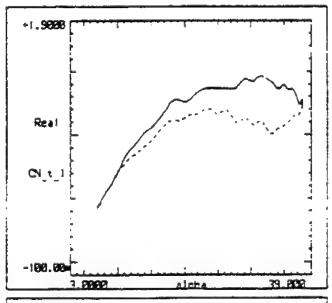


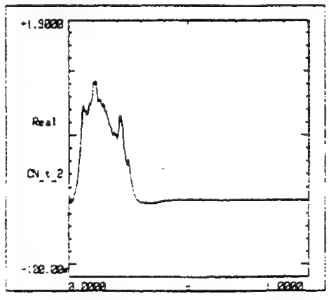


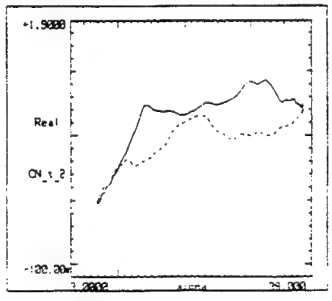


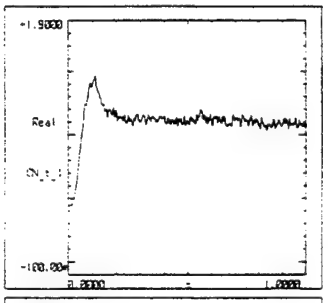


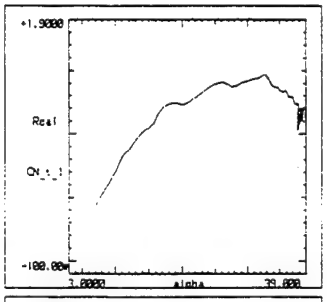


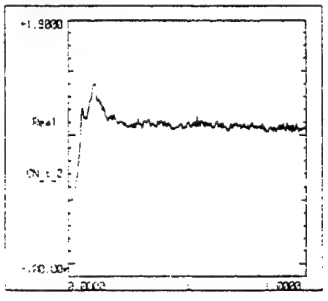


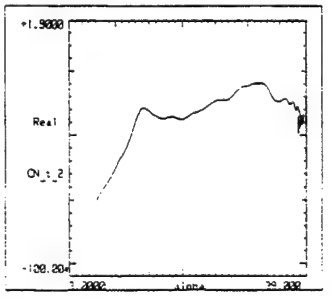










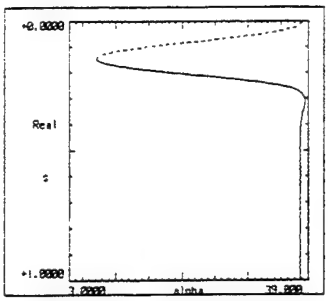


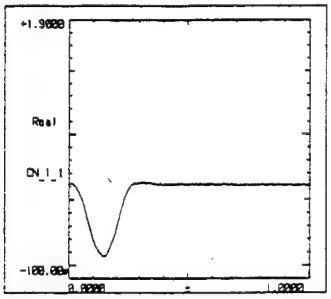
DPN : 656

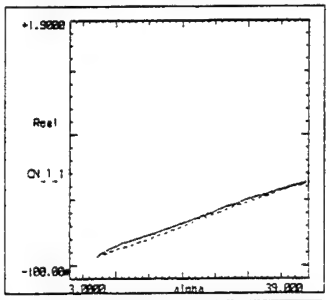
full cos input

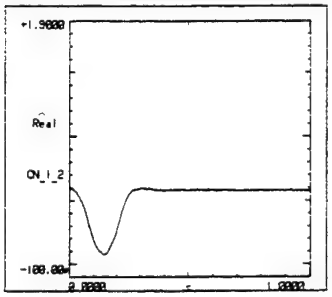
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

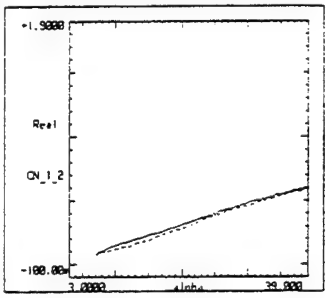
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa









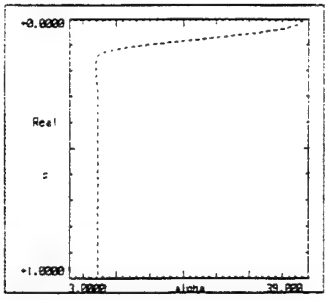


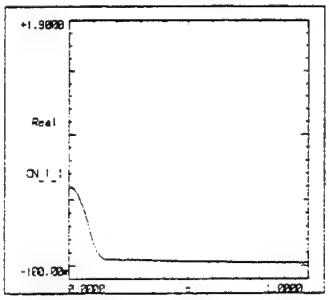
DPN : 656

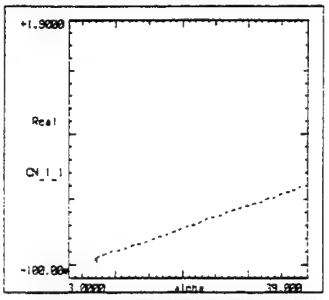
half cos input

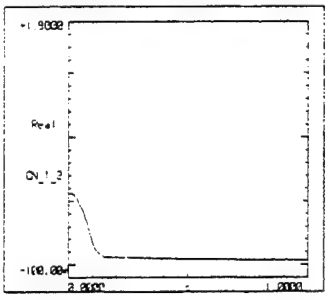
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

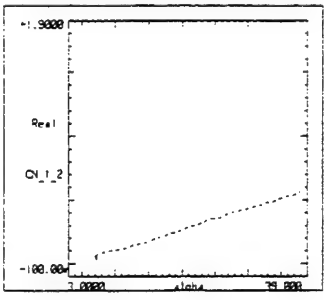
Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa

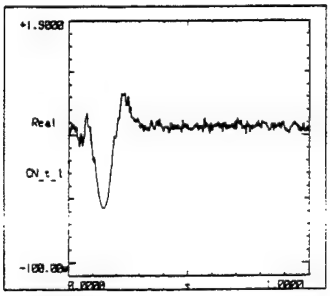


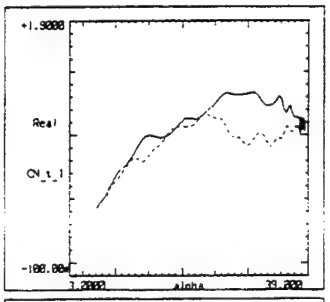


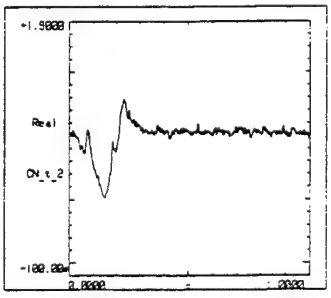


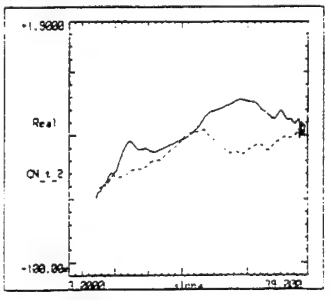


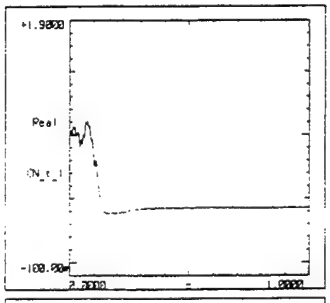


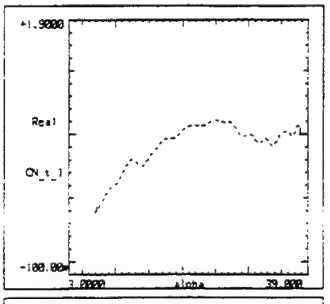


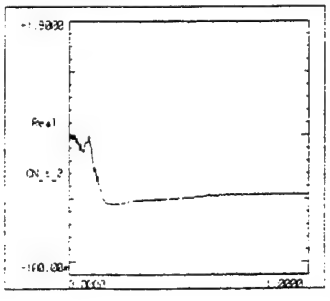


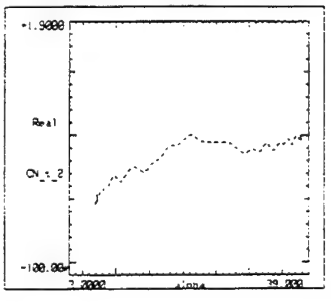










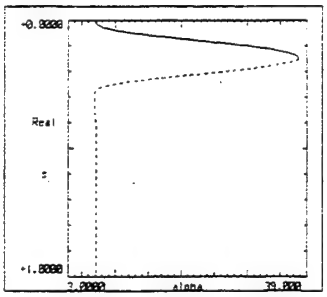


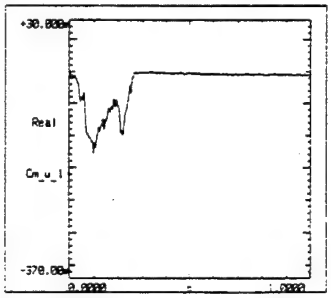
DPN : 656

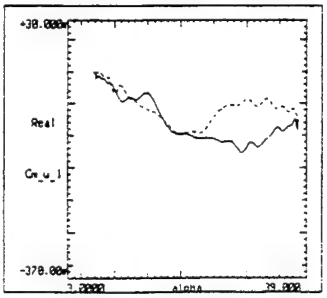
full (1-cos) input

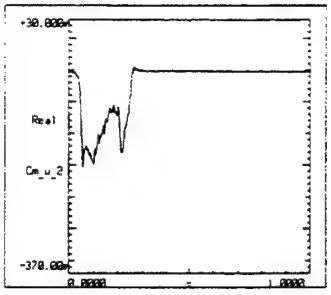
alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

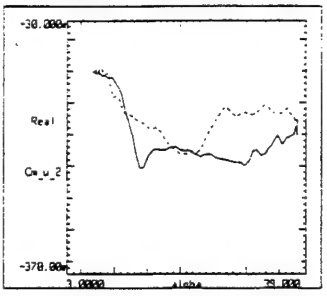
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa











DPN : 656

half (1-cos) input

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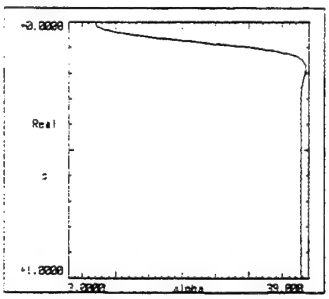
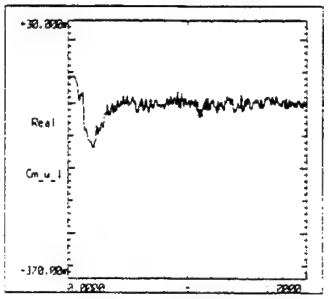
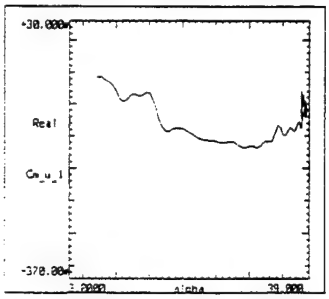
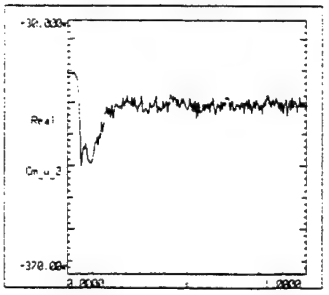
dalpha = 15.273 deg
freq = 3.800 Hz

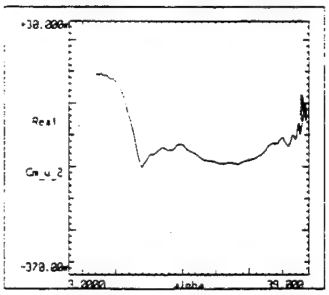
Mach = 0.898
Re^-6 = 7.928
Q = 24.436 kPa











DPN : 656

full cos input

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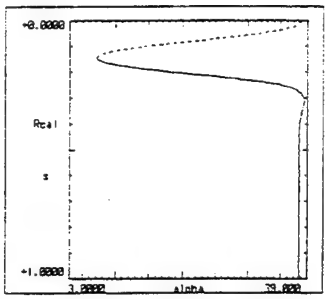

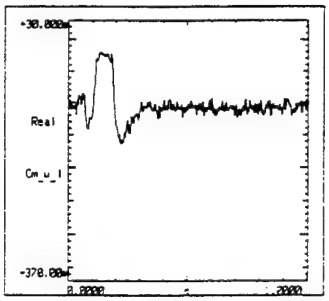

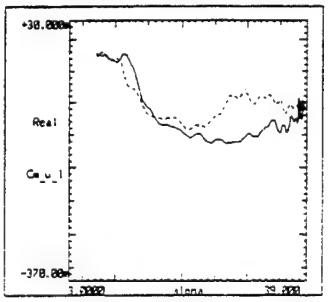

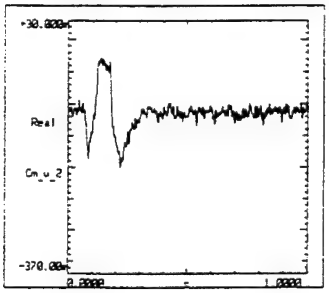

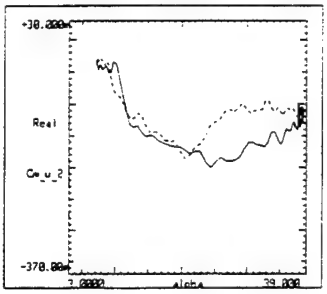

DPN : 656

half cos input

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Re^-6 = 7.928
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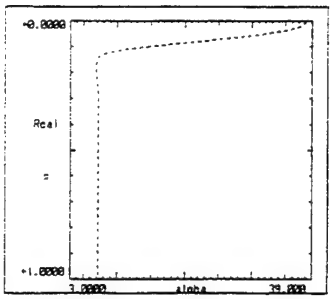
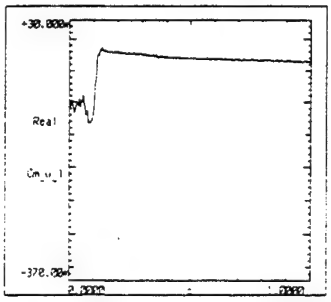
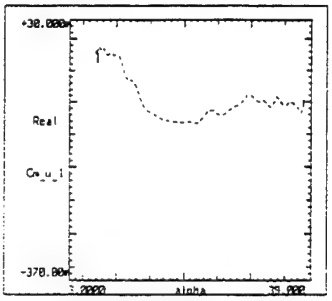
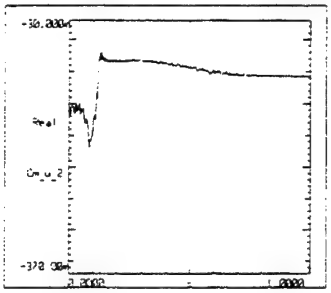
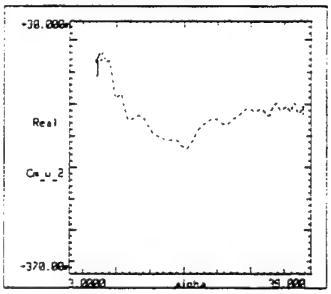








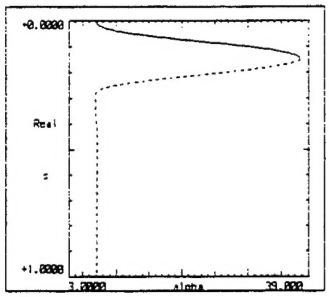


DPN : 656

full (1-cos) input

alpha = 22.476 deg
dalpha = 15.273 deg
freq = 3.800 Hz

Mach = 0.898
Re -6 = 7.928
Q = 24.436 kPa



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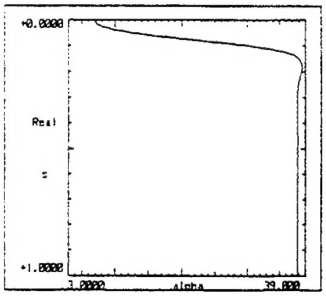

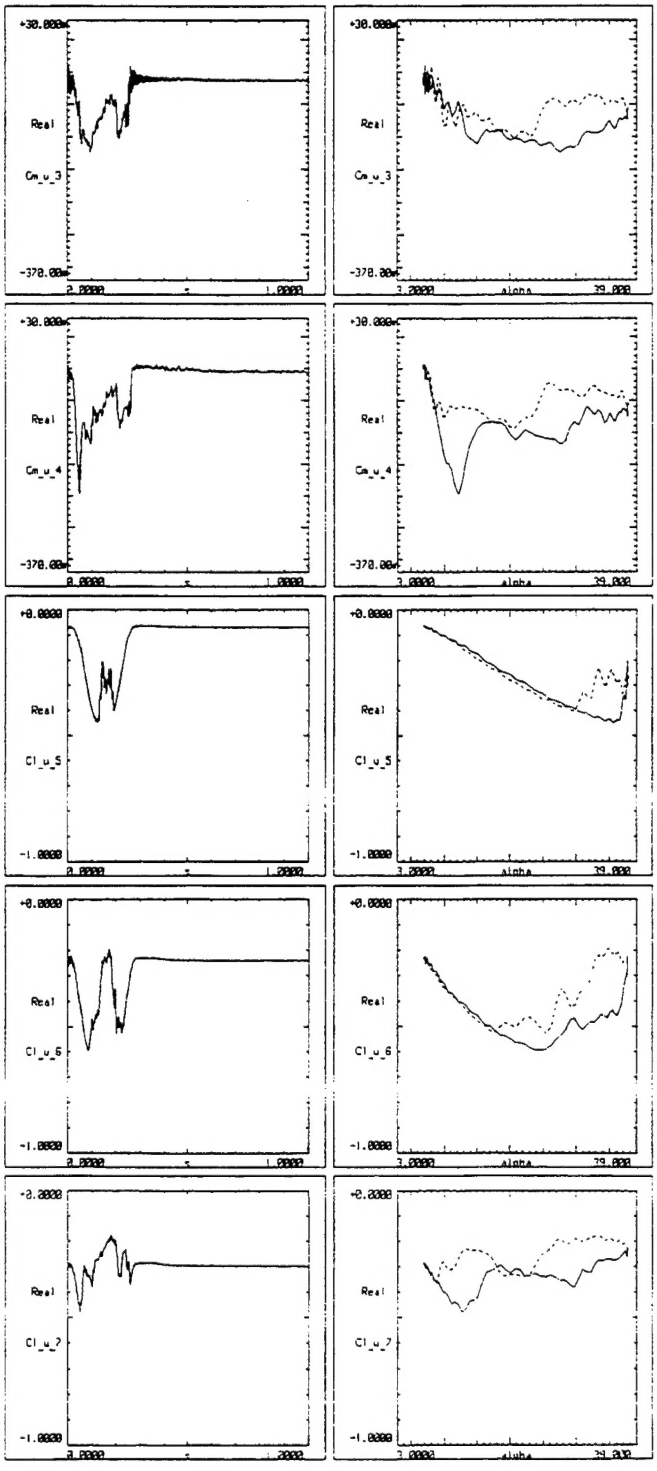

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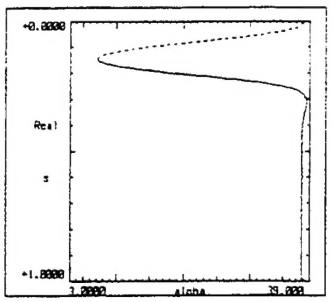

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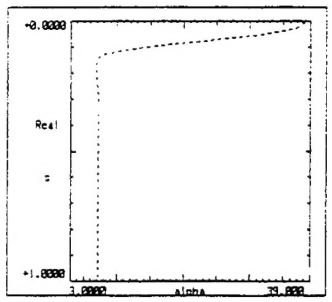

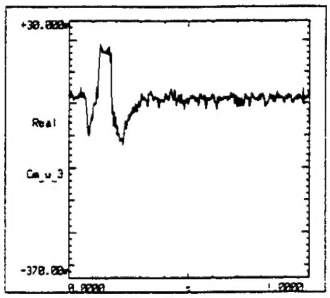

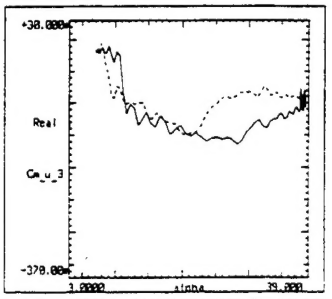

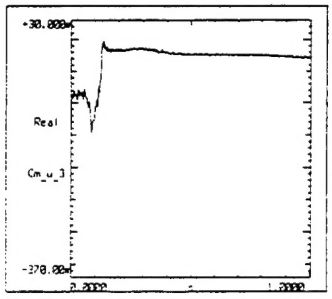

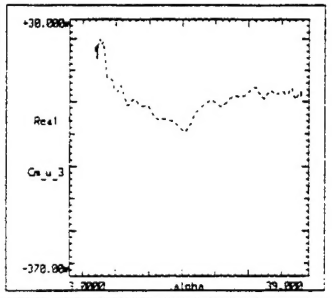

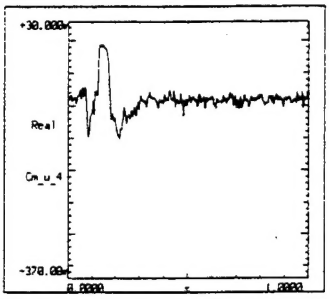

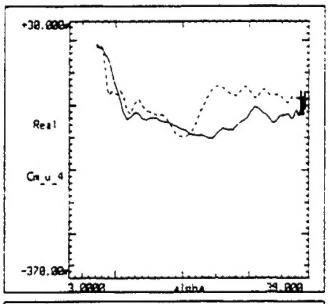

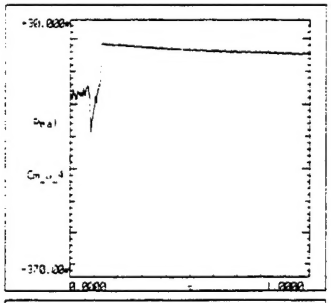

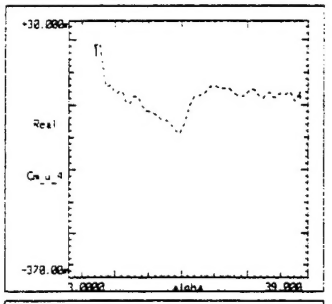

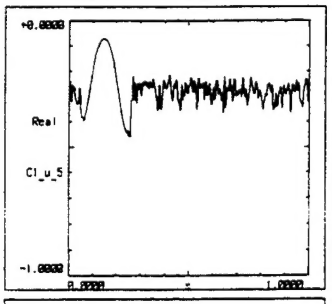

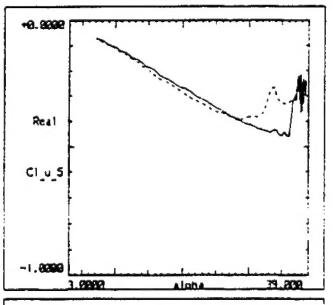

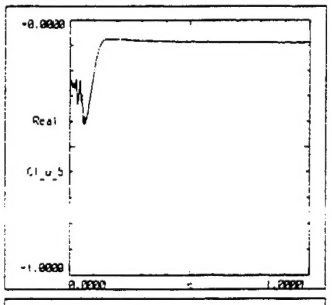

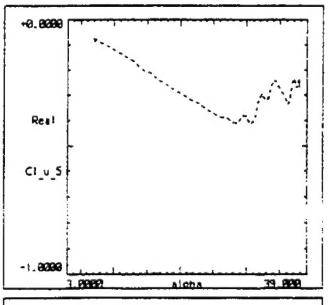

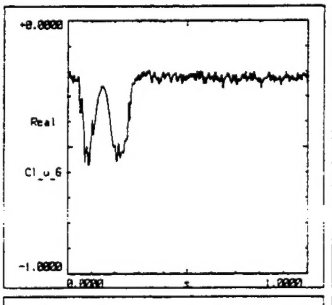

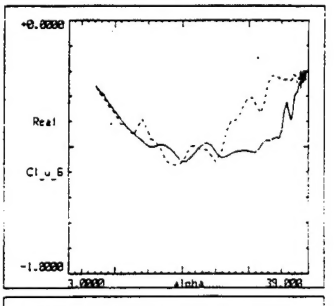

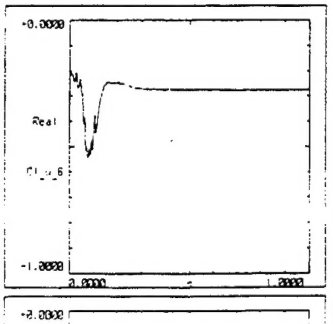

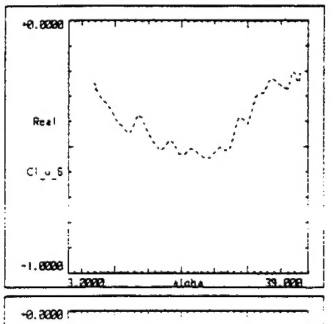

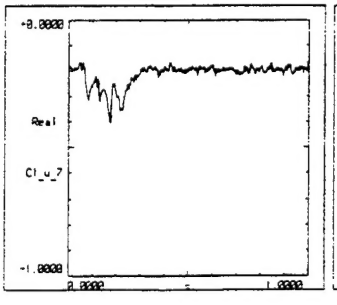

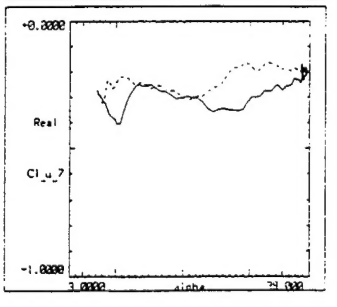

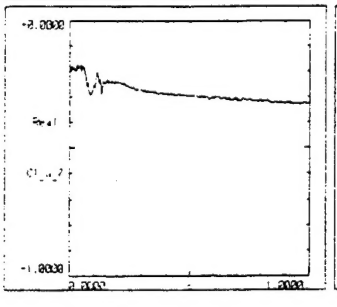

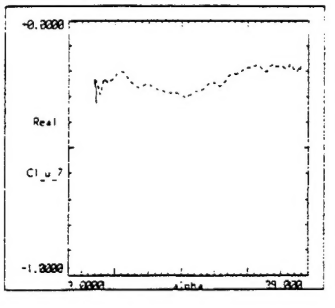

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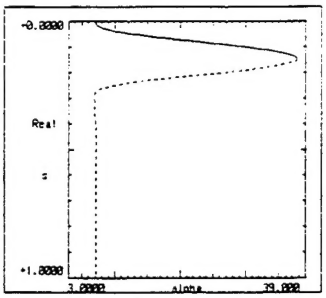

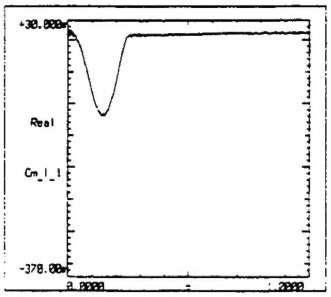

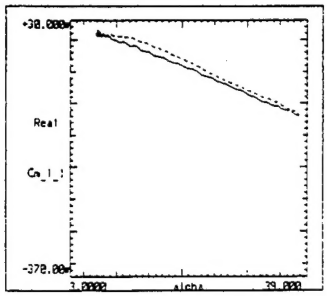

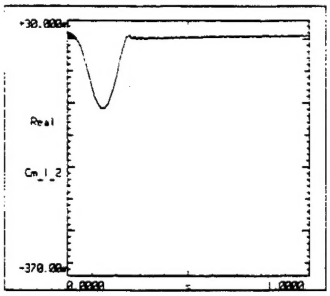

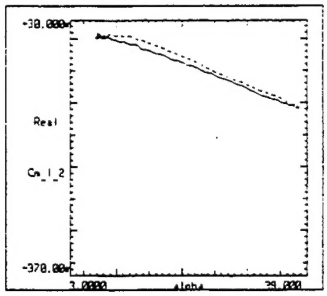

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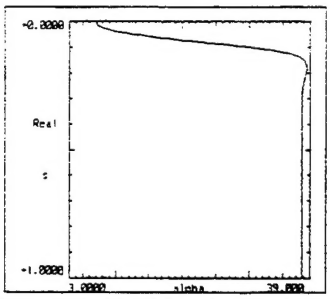

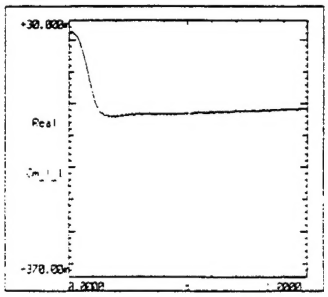

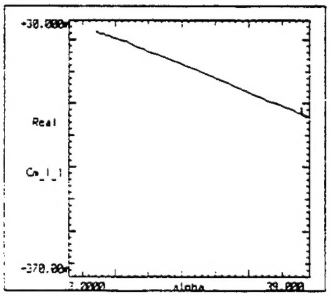

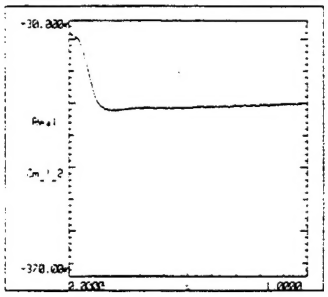

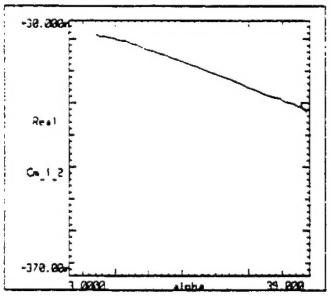

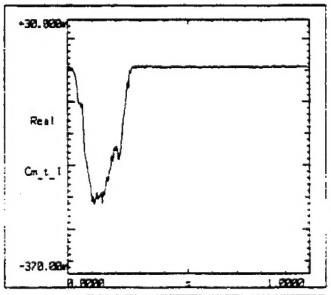

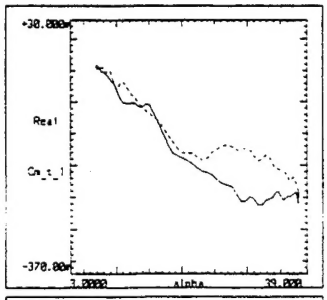

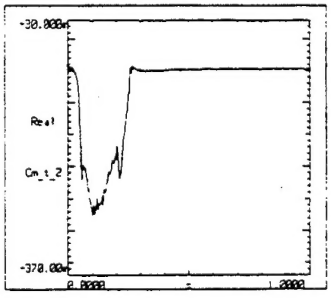

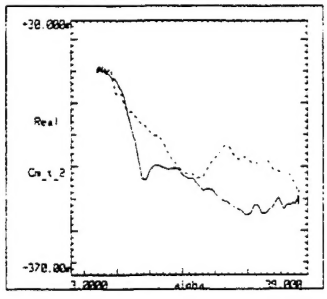

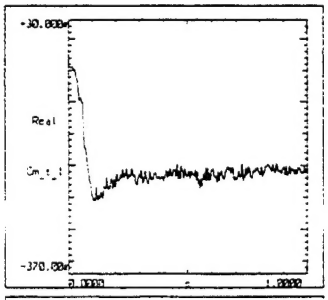

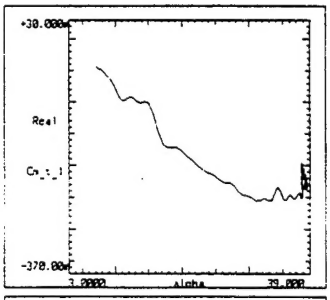

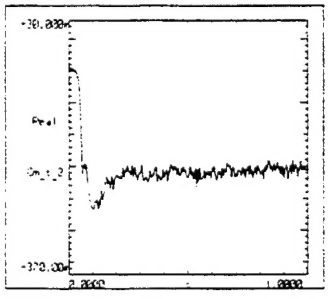

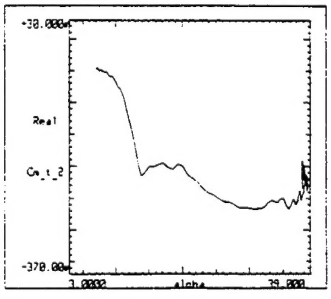

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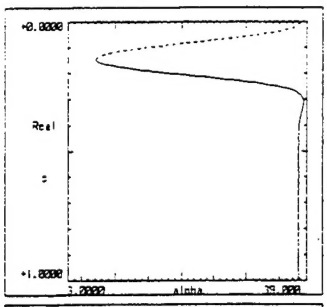

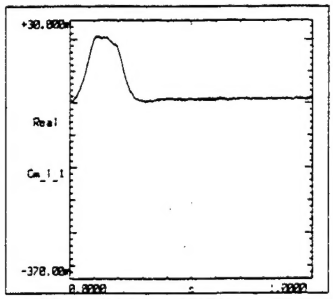

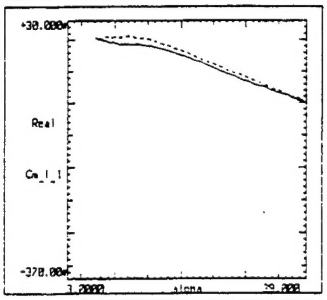

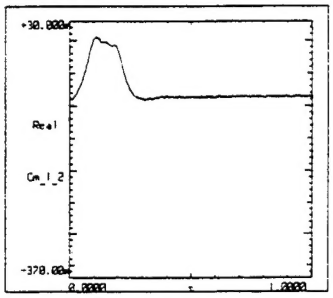

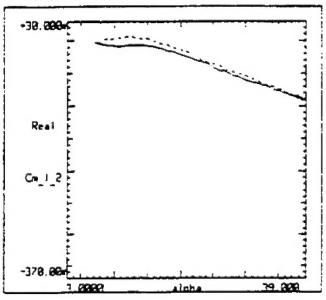

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